Volume 29. SEPTEMBER, 1915. $3.00 a Year.
Number 3. $1.00 a Number.

JOURNAL

OF THE

New England Water Works Association.

ISSUED QUARTERLY.

PUBLISHED BY

THE NEW ENGLAND WATER WORKS ASSOCIATION,

715 Tremont Temple, Boston, Mass.

Entered as second-class matter September 23, 1903, at the Post Office at Boston, Mass., under Act of Congress of March 3, 1879.

Copyright, 1915, by the NEW ENGLAND WATER WORKS ASSOCIATION.

OFFICERS

OF THE

New England Water Works Association.

1915.

PRESIDENT.

LEONARD METCALF, Consulting Engineer, Boston, Mass.

VICE-PRESIDENTS.

JAMES BURNIE, Supt., Water Co., Biddeford, Me.
CARLETON E. DAVIS, Chief, Bureau of Water, Philadelphia, Pa.
GEORGE F. MERRILL, Supt., Water Works, Greenfield, Mass.
CALEB M. SAVILLE, Chf. Engr., Bd. Water Commissioners, Hartford, Conn.
CHARLES W. SHERMAN, Consulting Engineer, Boston, Mass.
WILLIAM F. SULLIVAN, Engr. and Supt. Pennichuck Water Works, Nashua, N. H.

SECRETARY.

WILLARD KENT, Civil Engineer, Narragansett Pier, R. I.

EDITOR.

RICHARD K. HALE, Civil Engineer, 85 Water Street, Boston, Mass.

TREASURER.

LEWIS M. BANCROFT, Supt. Water Works, Reading, Mass.

ADVERTISING AGENT.

GEORGE A. KING, Supt. Water Works, Taunton, Mass.

ADDITIONAL MEMBERS OF EXECUTIVE COMMITTEE.

EDWIN C. BROOKS, Melrose, Mass.
SAMUEL E. KILLAM, Supt. Pipe Lines and Reservoirs, Metropolitan Water Works, Boston, Mass.
GEORGE W. BATCHELDER, Water Commissioner, Worcester, Mass.

FINANCE COMMITTEE.

A. R. HATHAWAY, Water Registrar, Springfield, Mass.
GEORGE H. FINNERAN, Asst. Supt. Water Service, Boston, Mass.
ALBERT L. SAWYER, Water Registrar, Haverhill, Mass.

THE ASSOCIATION was organized in Boston, Mass., on June 21, 1882, with the object of providing its members with means of social intercourse and for the exchange of knowledge pertaining to the construction and management of water works. From an original membership of only TWENTY-SEVEN, its growth has prospered until now it includes the names of over **900** men. Its membership is divided into two principal classes, viz.: MEMBERS and ASSOCIATES. Members are divided into two classes, viz.: RESIDENT and NON-RESIDENT, — the former comprising those residing within the limits of New England, while the latter class includes those residing elsewhere. The INITIATION fee for the former class is FIVE dollars; for the latter, THREE dollars. The annual dues for both classes of Active membership are THREE dollars. Associate membership is open to firms or agents of firms engaged in dealing in water works supplies. The initiation fee for Associate membership is TEN dollars, and the annual dues FIFTEEN dollars. This Association has six regular meetings each year, all of which, except the annual convention in September, are held at Boston.

Table of Contents.

PAGE.

Rainfall in New England. By X. H. Goodnough..... 237

Proceedings:

June Meeting..... 439

Annual Convention..... 443

Addresses:

Police Commissioner Woods..... 448

Hon. Charles N. Chadwick..... 451

Hon. Delos F. Wilcox..... 457

Mr. Nicholas S. Hill..... 461

Leonard Metcalf, President New England Water Works Association..... 462

Committee on Nominations..... 467

Committee on Leakage of Pipe Joints..... 469

Committee on Dexter Brackett Memorial..... 471

Executive Committee:

April 7, 1915..... 477

June 16, 1915..... 477

September 7, 1915..... 477

September 8, 1915..... 478

September 9, 1915..... 479

New England Water Works Association.

ORGANIZED 1882.

Vol. XXIX. September, 1915. No. 3.

This Association, as a body, is not responsible for the statements or opinions of any of its members.

RAINFALL IN NEW ENGLAND.*

BY X. H. GOODNOUGH, CHIEF ENGINEER, MASSACHUSETTS STATE BOARD OF HEALTH.

[*Read December 10, 1913.*]

With the rapid development in the use of lakes and rivers for water supply, irrigation, and industrial purposes, observations of the flow of streams and of the relation of rainfall to stream flow have become of great practical value. The number of places at which observations of both the rainfall and stream flow have been continuous for long periods of years is quite limited, the most notable in New England being the records of the observations on the Sudbury River, begun in 1875. These records have been used very generally as a basis for estimating the probable flow of streams and yield of watersheds in other parts of New England and even beyond its borders.

Observations of the rainfall, on the other hand, have been made at a far greater number of stations and cover much longer periods of years than the records of stream flow, and when used in connection with the known relation between rainfall and run-off in the watersheds of a few carefully measured streams furnish the best practicable basis for estimating the probable flow of other streams and the yield of watersheds, for which no data other than rainfall are available.

* In the preparation of this paper the writer has had the assistance of Mr. R. M. Whittet, Assistant Engineer, State Board of Health, in the collection of much of the data and information relating thereto, and of Mr. H. R. Crohurst, also of the Engineering Department of the Board, who has made many of the studies and diagrams.

A study of the variations that have occurred in the amount and distribution of the annual rainfall is of particular interest at the present time. The past few years, especially the period from 1908 to 1911, have been characterized by a remarkable deficiency in precipitation in New England, and the flow of the carefully measured rivers has fallen in many cases to the lowest level thus far recorded. This deficiency has been ascribed to various causes, — among others, to periodic variations in accordance with natural laws, to a gradual reduction in the amount of the rainfall, to changes in its seasonal distribution, and to a reduction caused by destruction of the forests, — and it has appeared worth while to collect, so far as possible, all the observations of the rainfall that have thus far been recorded in New England, in order to obtain from them such information as they may supply relative to the amount and distribution of the rainfall and the variations that have occurred in the past. For the purpose of this study much time has been given to making as complete a collection as possible of the rainfall observations that have thus far been made in New England since the earliest times, including observations at stations in adjacent portions of the adjoining states and provinces.

The greater part of the rainfall records available for New England have been published at various times in the reports and bulletins of the Weather Bureau of the United States Department of Agriculture. Others are to be found in the publications of the New England Meteorological Society, in the reports of water departments of cities and towns, and in the annals of academies and colleges. Several important records have been found in other publications, and a few have been obtained from original manuscripts which have not hitherto been made public.

The earliest observations of rainfall in New England that have thus far come to light are those made by Professor Winthrop at Cambridge, Mass., which were begun in a period of excessive drought in August, 1749. These observations are continuous until the day of the Battle of Lexington, in 1775, and summaries of the results have already been published, though not in full. The average rainfall during these twenty-five years as recorded by Professor Winthrop is somewhat smaller than in similar periods of recent years, and since no record has been found describing the

instruments used and the methods followed by the observer, his observations have hitherto apparently been given little attention by those interested in this subject.

Next to Benjamin Franklin, Professor Winthrop was the most prominent scientific man of his century in America, and it is hardly to be doubted that his records were made with care and accuracy. Before beginning his observations, Professor Winthrop evidently caused his instruments to be carefully prepared for the purpose, as is indicated by the following extract from the records of the Corporation of Harvard College.

. . . "15. That one & thirty shillings, Eight pence & 4/5, be allow'd to the Professr of Nat. Phil & Methem. in full Discharge of his Accº of July 1749. being an Accº of Vessells prepar'd for Measuring the Quantity of Rain."

An examination of Professor Winthrop's diary* shows that his general notes and observations of weather conditions coincide with his meteorological records, and other contemporary chroniclers confirm his observations. That the difficulties of securing accurate measurements of the precipitation, especially in winter, were well recognized in Winthrop's time is quite clearly shown by the notes of the Rev. Manasseh Cutler, whose meteorological records will later be referred to, and there appears to be no reason whatever to doubt the accuracy of Professor Winthrop's records.

After leaving Cambridge, in 1775, Professor Winthrop continued his observations for a time at Concord and afterward at Watertown, and later returned to Cambridge, but the records for some of the months are missing and the observations were discontinued in 1779.

No records have been found showing actual measurements of the rainfall for the years 1780 and 1781, but in the latter year meteorological observations were begun at Ipswich by Rev. Manasseh Cutler, who began later — September, 1782 — to measure and record the amount of precipitation in the form of rain and snow. This observer gives a description of his rain gage and the method followed by him in making his observations. This statement, which is quoted below, is of great interest in that it shows that the

* Library of American Academy of Arts and Sciences, Boston.

observer appreciated fully the difficulty of securing accurate observations, especially in the winter season.

. . . "The quantity of rain is measured by an ombrometer, made of tin, twelve inches square at the mouth, the sides of which are perpendicular. The rain falls through the mouth into a funnel, which conducts it into a reservoir, where it is secured from evaporation; and is, afterwards, decanted off and measured in a three-inch cubic measure. It stands firmly secured, in an open situation, with the mouth about two feet from the ground. The quantity of water contained in snows, is generally ascertained by taking the cubic measure of a column of snow, at its mean depth, from the surface to the bottom, and dissolving it in the ombrometer. But as snows frequently fall one upon another, or are accompanied with rain, there is great difficulty in ascertaining, with exactness, the quantity of water that falls during the winter. . . ."

It seems reasonable to assume that Professor Winthrop's records were kept with at least equal care and that his observations are as nearly accurate as those of more recent times. The results of Mr. Cutler's observations will be found in the "Memoirs of the American Academy," Vol. 1. Unfortunately, Mr. Cutler's observations were continued only from September, 1782, to the end of the year 1783.

A more extended record of the rainfall of this period was evidently made by Rev. Jonathan French, at Andover, whose diary appears to be still extant, though it has thus far been impracticable to obtain access to it even for the purpose of securing the records of rainfall and other meteorological observations it contains. Fortunately, portions of these observations are to be found in Abbot's "History of Andover," published in 1829, which contains French's records of rainfall complete for the years 1782 to 1786 inclusive, and also for the years 1793, 1798, 1800, and 1803. These observations show very high rainfalls in the years 1783, 1784, and 1785, especially in the latter year, when the aggregate rainfall for the months of September and October amounted to 19.3 in. It is interesting to note that one of the greatest, and possibly the greatest, freshet ever known in the Merrimack River valley occurred in October, 1785.

Another observer who appears to have measured the rainfall

carefully at about this period was Prof. Samuel Williams, LL.D., a member of the Meteorological Society in Germany, of the Philosophical Society in Philadelphia, and of the Academy of Arts and Sciences in Massachusetts. He was the Hollis Professor of Mathematics at Harvard and the successor of Professor Winslow. In his "Natural and Civil History of Vermont," written in later years, he presents a table of five years' observations of the rainfall at Cambridge, 1784–88, presumably kept by him, but as the record simply presents an average for these five years and the details have not come to light, the observations are of little practical value. He does present, however, a record of the rainfall at Rutland, Vt., for the year 1789, which happens to be the only rainfall observation in New England for that year that has thus far been found. For the years 1790 and 1791 no observations have thus far been found.

Two observers began the measurement of rainfall in 1792; one, the Rev. Jonathan Newell, A.M., who lived at Stow, Mass., and the other, Joseph Barrell, Esq., whose observations were made at Charlestown, Mass. The records at Stow are continuous from 1792 to 1804 inclusive, and those at Charlestown from 1792 to 1802. The description of the rain gage used by Barrell indicates that it was situated on land about 60 ft. above the level of high tide and was located in an open situation where it could not be affected by rain falling from structures or trees, so that an effort appears to have been made to secure a satisfactory location.

Comparing the two observations, the records at Stow are considerably higher than at Charlestown. The principal differences in the rainfall recorded at Stow, Charlestown, and Andover in the years when comparisons can be made, are found in the summer season, principally in the months from June to September, and are no greater than are found in comparing observations at widely separated stations for those months in later years.

The next important record is found in the observations at New Haven begun in 1804 and carried on continuously until 1821, and subsequently intermittently until 1873. Since 1873 they have been continuous up to the present time. Other than the records found at New Haven, no observations are available for the years 1805 to 1807 inclusive.

Observations were begun at Brunswick, Me., in 1808 and continued to 1818, though some of the months are lacking. Most of the years, however, are complete.

The longest continuous record of rainfall in New England that has thus far come to light is that which was kept at New Bedford by Samuel Rodman and his son, from 1814 until 1905, thus giving, with the use of records of other New Bedford observers, a continuous record of rainfall at one place for one hundred years. The observations were evidently made with great care, and the record is believed to be a thoroughly reliable one. It furnishes the best information anywhere available in New England as to the variations that have occurred in the rainfall at the same place in a period of one hundred years.

Next to New Bedford, the longest continuous record of rainfall observations available in New Engand is that kept at Boston, at first by Dr. Enoch Hale, 1818–22; then by Jonathan P. Hall, 1823–65, and in later years by several other observers. Among the latter are the United States Weather Bureau, which has for many years maintained a meteorological station on top of the Post-Office Building, and the Boston sewer and water departments. The observations of the Weather Bureau in the very wet years that occurred in the late '80's were surprisingly low as compared with others in and about the city, and these observations have been regarded as unreliable. There is also much doubt as to the reliability of the observations recorded in the period between 1856 and 1878 inclusive. In these years the rainfall at Boston greatly exceeded that of any of the other stations in the region about it where reliable records were kept during that period.

After Boston the longest continuous record is that maintained at Waltham by the Boston Manufacturing Company, begun in 1825. The records of several of the months in the earlier years are lacking, but these earlier records can be made available without danger of serious error by supplying figures for the missing months from other stations in eastern Massachusetts.

The next record of importance is that begun at Lowell by the Merrimack Manufacturing Company in 1826, and maintained continuously to the present time. The observations of the Proprietors of Locks and Canals, controlling the water power on the

Merrimack River, were begun in 1855 and have also been continuous since that time, so that it is practicable to secure a record at Lowell covering a period of eighty-eight years.

Next to Lowell, the longest continuous record available is that at Providence, R. I., beginning in 1832.

After 1832, the number of continuous rainfall records increases quite rapidly. That at Amherst, Mass., was begun in 1836; at Gardiner, Me., in 1837; at Burlington, Vt., in 1838; at Worcester, Mass., 1841; and at Cambridge, Mass., 1841. Doubts have been expressed as to the reliability of the latter record previous to 1867.

Observations of the rainfall were made at Lynnfield by General Newhall, beginning in 1842 and ending in 1878, the results of which have not apparently hitherto been published. The records of these observations have been carefully examined, and it appears that, excepting for a few months when the observer was ill and when observations were made by another person, the measurements were evidently made by General Newhall, and his notes of the weather and other conditions correspond with the rainfall observations. In these records the occurrence of light rains is frequently noted without a record of the quantity, indicating the occurrence of a fine rain or small shower in which the amount of precipitation collected was very small and was regarded as insignificant.

Two other observation stations were established previous to 1850, one of which — that at Springfield, Mass. — has been maintained to the present time, while the other — that at Lunenburg, Vt. — was closed in 1891.

After 1850 additional stations for the observation of the rainfall, many of which have since been maintained continuously, were established in gradually increasing numbers, and in the earlier '70's about fifty such stations had been established either in New England or very close to its borders at which observations have been continued to the present time without interruption.

It has also been possible to obtain several long records of observations at places outside of New England, chief among these being the observations at Albany, N. Y., where records are continuous since the year 1826, and at New York City, where, by combining the records kept at Fort Columbus, the Deaf and Dumb

Asylum, and at Central Park, a continuous record is obtainable from 1836 to the present time. A long record is also found at Troy, and other important records of less length have been found on the Croton watershed and elsewhere.

At St. John, N. B., near the easterly border of Maine, continuous rainfall observations have been maintained since 1861.

Rainfall Records and Methods of Observation.

It is impracticable to consider here in detail the questions relating to the methods of observation and the accuracy of the results at all of the various stations where measurements of the rainfall have been made in New England. The earlier observers of meteorological phenomena probably lacked the refinement of modern methods of observation, and some of these earlier records have for these reasons been regarded as unreliable. In many cases the instruments used and the methods followed are fully described by the observer, and it is practicable from that information to form a judgment as to the probable reliability of the observations recorded. Many of the longer records have been examined carefully by engineers and others interested in the subject, and their conclusions relative to the reliability of the records have in some cases been published. In a few cases the description of the rain gage or the circumstances affecting its location have left an uncertainty as to the reliability of the records, but there is little reason to doubt that in general the more important of the older records were kept with as much care and are as reliable as those of more recent observers.

It is usually practicable, especially in the case of very wet or very dry seasons, to obtain evidence from newspapers, diaries, or other contemporary records which will aid considerably in forming an estimate of the probable reliability of a given set of observations, and a check upon winter precipitation records can often be obtained from such chroniclers, some of whom are quite careful in recording the depth of snow.

In an examination of the journals of the earlier observers it will sometimes be found that they note the occurrence of rain or rainy weather without any corresponding record of or reference to the amount of precipitation, but such occurrences do not neces-

sarily throw doubt upon their observations. The very small quantities of rain or snow, five one-hundredths of an inch or less, recorded by modern observers were apparently in some cases not considered worthy of note in earlier times, but neglect to record such small amounts does not probably affect materially the value of the observations. An examination of the results of careful observations at a number of stations in several recent years, made to determine what percentage of rainfall occurs in amounts of five one-hundredths of an inch or less, indicates that in wet years probably about 2 per cent. and in dry years probably about 1½ per cent. of the total rainfall occurs in these small amounts.

Doubt has been expressed as to the reliability of many of the older records, especially those of the period from 1830 to 1850, on account of the small amount of precipitation generally recorded in the winter season in that period, this fact being held to indicate that the amount of precipitation in the form of snow had not been accurately measured. Comparisons of the winter precipitation in the drier period in the 30's and '40's with the winter precipitation at the same stations for earlier or later years fail to show that these suspicions are justified except possibly in a very few cases. Even the earliest observers evidently knew very well the difficulty of securing reliable observations in winter, and it is probable that in most cases their observations were carefully and accurately made.

The measurements of the quantity of rainfall recorded by the earlier observers were no doubt usually made by measuring the depth of water collected with a graduated rule. Observations of careful measurements of depths of rainfall in rain gages of the size ordinarily used indicate that such results differ little from those obtained by the more exact method of weighing, including allowance for temperature, and errors due to differences in method of measurement commonly balance one another.

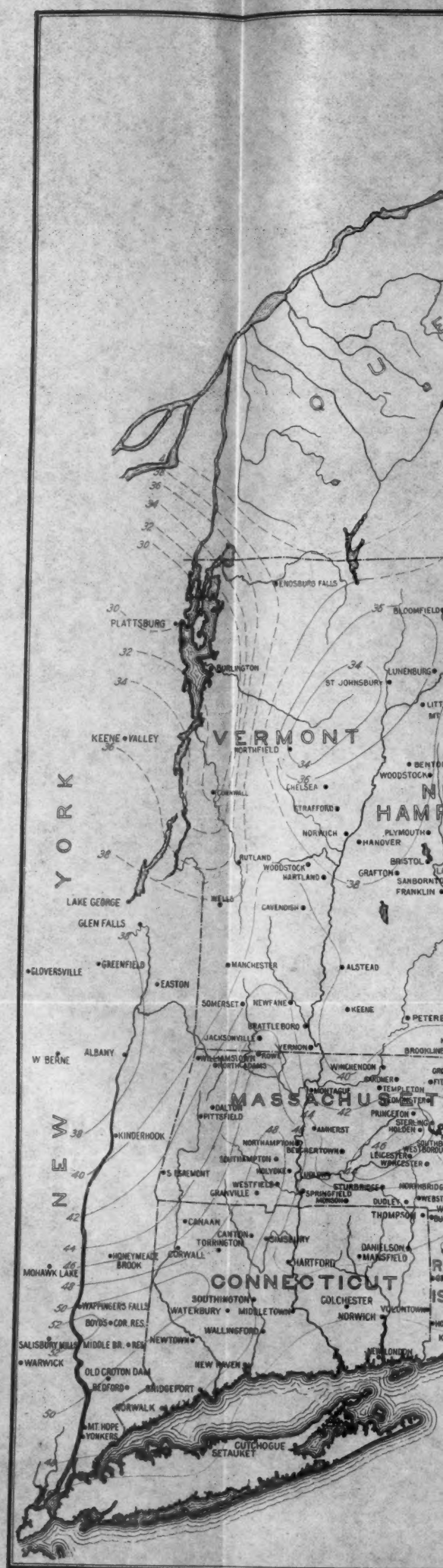
With some of the smaller gages having an internal measuring tube of one inch diameter or less, the use of a measuring stick may, on account of its displacement, increase materially the apparent depth of water collected. Observations with one such gage that has long been in use indicate an error from this cause of between 6 and 7 per cent.

In the course of these investigations it has been practicable to examine but a small proportion of all the rain gages in use in New England. In a number of cases the conditions found were such as to impair the value of the records, and these faulty observations have been included in official publications. The inaccuracies result from various causes, including, beside inaccurate methods of measurement, faulty types of gage, poor location, and lack of proper care in recording observations. It is quite difficult to locate a rain gage so as to secure reliable results, especially in populous neighborhoods, and it is also difficult to secure accurate observations of the depth of snow, but the amount of precipitation in the form of snow is not large in comparison with the total annual precipitation, especially in the southern and eastern portions of the district, and the ordinary standard gages in a fair exposure probably give reasonably accurate results.

The results of the examination of many rain gages show clearly the necessity of efficient inspection of the location and condition of the gages in use, the methods of observation, etc., if reliable results are to be secured.

Geographical Distribution of the Annual Rainfall.

To the casual observer there is little apparent difference in the amount of the annual rainfall in different sections of New England. In the northern and western parts of the district, the precipitation in winter is generally in the form of snow, which often accumulates by the end of the winter to a depth of 4 or 5 ft. In the southern and eastern districts, especially near the coast, the winter precipitation is more usually in the form of rain, though these districts also are sometimes covered deeply with snow. Aside from the differences in the form of precipitation in winter, there is very little apparent difference in the distribution of the annual precipitation throughout the district. But an examination of the results of recorded observations, especially when considerable periods of years are taken into account, shows that there are marked variations in the annual total, which must have a material influence upon the comparative flow of streams and yield of watersheds.


VERMONT
NEW YORK
MASSACHUSETTS
CONNECTICUT
PLATTSBURG
BURLINGTON
ST JOHNSBURY
KEENE
VALLEY
NORTHFIELD
CHELSEA
NORWICH
HANOVER
PLYMOUTH
BRISTOL
WOODSTOCK
RUTLAND
WOODSTOCK
MARTLAND
WELLS
CAVENDISH
LAKE GEORGE
GLEN FALLS
GLOVERSVILLE
GREENFIELD
EASTON
MANCHESTER
ALSTEAD
SOMERSET
NEWFANE
KEENE
BRATTLEBORO
JACKSONVILLE
VERNON
ALBANY
W BERNE
WILLIAMSTOWN
NORTH ADAMS
WINCHENDON
MONTAGUE
DALTON
PITTSFIELD
PRINCETON
KINDERHOOK
AMHERST
NORTHAMPTON
SOUTHAMPTON
HOLYOKE
S BERKSHIRE
WESTFIELD
GRANVILLE
SPRINGFIELD
MONSON
DUDLEY
THOMPSON
CANAAN
CANTON
TORRINGTON
SIMSBURY
HONEYMEADE BROOK
CORNWALL
HARTFORD
DANIELSON
MANSFIELD
MOHAWK LAKE
SOUTHINGTON
WATERBURY
MIDDLETOWN
COLCHESTER
NORWICH
WAPPINGERS FALLS
BOYDS
COR. RES.
WALLINGFORD
SALISBURY MILLS
MIDDLE BR.
RES
NEWTOWN
NEW LONDON
WARWICK
NEW HAVEN
OLD CROTON DAM
BEDFORD
BRIDGEPORT
NORWALK
MT. HOPE
YONKERS
CUTCHOGUE
SETAUKET

MAP OF
NEW ENGLAND
SHOWING
LINES OF EQUAL RAINFALL
AND
RAINFALL STATIONS
JAN. 1914.

NOTE.

BASED MAINLY ON RECORDS COVERING A PERIOD OF 40 YEARS.

SCALE OF MILES

0 10 20 30 40 50

A satisfactory determination of the amount of the annual rainfall for all parts of New England is impracticable with the data at hand. The longer records cover a sufficient number of years to give reasonably reliable results, but the number of such records is too limited to represent the rainfall in all parts of the district satisfactorily. Observations for the past forty years are available at as many as thirty-six stations, but, of these, twenty-five are located in the three southern states, while two are found in Vermont, four in New Hampshire, and only five in the large area of Maine. There are also a few available records for this period in adjacent states and provinces, but when all are plotted on a map there are wide spaces, especially in the western and northern sections of the district, for which no observations for long periods are available. Nevertheless, these records furnish much interesting information as to the geographical distribution of the rainfall, and, by supplementing them with observations for shorter periods in areas where records for the longer periods are lacking, it is practicable to indicate quite definitely the approximate annual rainfall throughout the greater part of New England.

In using observations for short periods it is necessary to take into account the fact that the amount of the annual rainfall varies greatly from time to time and an average of the rainfall for a shorter period may not represent accurately the average rainfall for a period as long as forty years, but the conditions which govern the amount of rainfall in New England in a given group of years apparently affect the district as a whole, and a period of high or low rainfall, as the case may be, at a few stations is usually a period of high or low rainfall at most of the stations at which observations have been made. Under the circumstances, in cases where it has been found desirable to use short records or records for other periods than the past forty years, the probable corresponding amount of rainfall for the latter period has been estimated by proportion, using the longer records in the same region as a guide. The results have been plotted on a map of New England, upon which lines have been drawn through stations having an equal annual rainfall, and in those areas in which the number of available observations is inadequate to furnish a reliable guide, the probable rainfall is indicated by broken lines. (Plate XXII.)

An inspection of the map shows at once that there are marked variations in the amount of the annual rainfall in different parts of this comparatively small district. The highest rainfall recorded at any place in New England is at the summit of Mt. Washington, where observations were made continuously from September, 1871, to 1887. The average rainfall during that period was 83.53 in. The lowest rainfall recorded in New England is that along the shores of Lake Champlain, where at Burlington, Vt., the average rainfall for a very long period of years has amounted to 32.76 in.

Probably the most striking feature brought out by this map is the high rainfall in the mountainous districts, especially along their easterly slopes. In the Green Mountains in Massachusetts and Connecticut, in the hills of central Massachusetts, in the White Mountains of New Hampshire, and in the highlands of western Maine, the rainfall is generally much higher than in adjacent regions. The number of stations in the Green Mountains of Vermont is too limited to show clearly whether or not this rule holds in that region, but such is very probably the case, and the lines on the map have been plotted in such a way as to indicate the probability of a higher rainfall along the central and easterly portions of these mountains. In the hilly portions of central Massachusetts there are very few records covering long periods, but there are enough to indicate pretty clearly the probable differences between the annual rainfall of this region and that of the valleys to the east and west.

It is evident from a consideration of the available records that the effect of elevation upon the rainfall is very marked, and it is probable that the higher rainfall in the mountainous districts has not hitherto always been adequately considered in studies of the flow of streams and yield of watersheds. Unfortunately, except at the summit of Mt. Washington, few rainfall stations have been maintained among the higher ranges either in the White Mountain region or the other mountainous regions of New England, so that it is impossible to ascertain definitely the extent of these areas of high rainfall. In the White Mountain region the very high rainfalls are very probably confined to the highest summits and diminish rapidly as lower levels are reached, though the records available show very clearly that the rainfall

south and east of these mountains is higher than elsewhere in this region except on Mt. Washington. There are indications also that the rainfall in western Maine along the easterly slope of the extensive highlands west of the Kennebec River is higher than in the central and northern portions of the state.

The rainfall at Bar Harbor at the eastern base of the mountains of Mt. Desert is much higher than elsewhere in this region, and it is possible that along the highlands toward the north of Bar Harbor and east of Bangor similar conditions obtain, but the available records are inadequate to show except in a very general way the variations in rainfall in that region.

Aside from the higher rainfall of the mountainous districts, the highest precipitation in any large area in New England occurs in the southern portion of the district. This area of high rainfall extends from the neighborhood of the Croton watershed in New York, where the rainfall is higher than in adjacent portions of New England, across Connecticut, Rhode Island, and parts of southeastern Massachusetts, nearly to the eastern coast of the latter state, the amount gradually diminishing as a rule from approximately 50 in. in western Connecticut to about 46 in. in southeastern Massachusetts.

South and east of this area the rainfall diminishes to about 44 in. toward the easterly end of Long Island Sound, and to about 45 in. at Block Island and 39 in. at Nantucket. Toward the north, also excepting along the easterly slopes of the Green Mountains of western Connecticut and Massachusetts, and in the hilly region about Mt. Wachusett, the rainfall diminishes rapidly, falling in northwestern Massachusetts toward an area of low rainfall in the Hudson valley in the neighborhood of Albany and Troy.

Following the northern boundary of Massachusetts between the Connecticut and Merrimack rivers, the annual rainfall amounts to from 40 to 42 in., while farther north the amount in general gradually diminishes except in the higher lands, the average rainfall over a wide area in the Connecticut Valley in eastern Vermont amounting to about 34 in. Farther northwest in the basin of Lake Champlain the precipitation is the lowest that has been observed anywhere in New England, the average at Burlington, Vt., for a period of forty years amounting to only

31.6 in., while across the lake at Plattsburg, N. Y., the average amount falls to less than 30 in. In northeastern Massachusetts, also, including the lower Merrimack valley and adjacent watersheds draining toward the coast, the rainfall diminishes considerably from the amounts recorded in the hilly country of the central part of the state, the decrease occurring chiefly in the winter and spring. In this section of Massachusetts and adjacent portions of the coast sections of New Hampshire and Maine the amount of rainfall ranges from 41 to 42 in. North of the White Mountains the amount diminishes rapidly in the lower lands toward the valley of the St. Lawrence River.

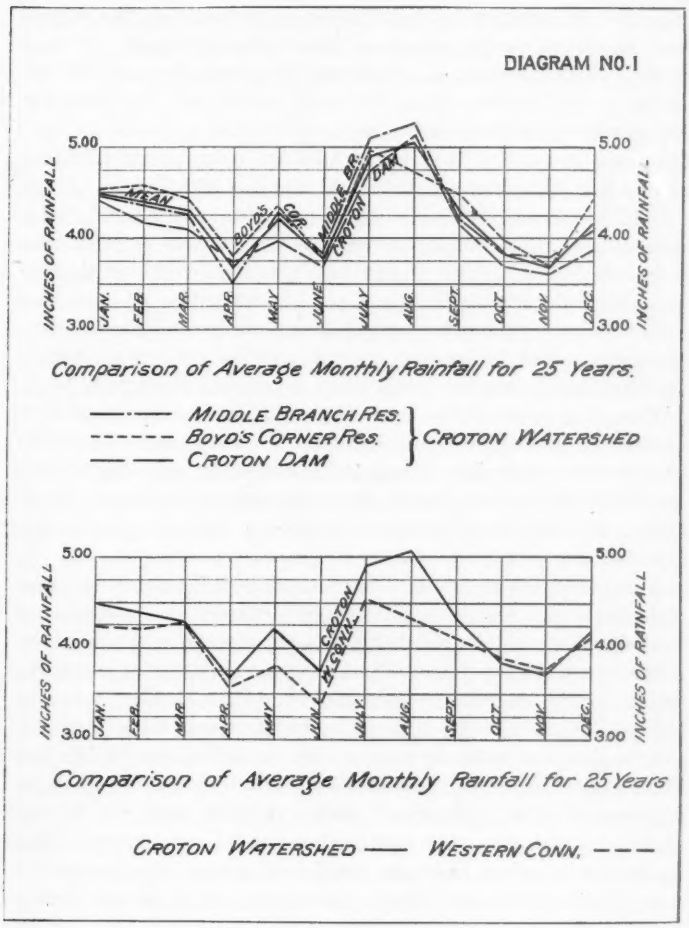
In Maine there is apparently an area of low rainfall in the northern part of the Kennebec River valley, where the amount falls to an average of 36 in. per year. The rainfall at Bar Harbor, as already noted, is much higher than elsewhere in this region, amounting to about 48 in. per year. Farther east the amount increases, and at Halifax, N. S., it averages 57 in. per year, a much higher quantity than is found anywhere in New England, except in the highest mountain districts.

The results of this study show that there are very decided differences in the geographical distribution of the annual rainfall in various sections of New England which are of great importance in making comparisons of the flow of streams and the yield of watersheds in different parts of this district, since an annual rainfall of 45 in. or more, which occurs in large and widely separated areas, would produce a higher run-off in the streams — other things being equal — than an average annual precipitation of less than 38 in. recorded in many other large sections of the district. The effect of these differences upon the flow of streams is dependent to a large extent, however, upon the seasonal distribution of the rainfall, which will next be considered.

Seasonal Distribution of the Rainfall.

A further analysis of the records of rainfall discloses important variations in the distribution of the monthly and seasonal precipitation which are most readily compared when the average monthly precipitation at different stations in different localities is plotted

in the form of a diagram. A comparison of the average rainfall for each month at stations in the same general neighborhood having a similar annual rainfall usually shows that the differences in seasonal distribution are slight and that there is a close correspondence in the variations from month to month.



For example, records are available for periods of twenty-five years or more at three stations on the Croton watershed, viz., the Old Croton Dam, Boyd's Corner Reservoir, and the Middle Branch Reservoir, and the average monthly rainfall at each of these stations for the twenty-five years which ended with 1910 has been computed and is shown graphically in the upper part of diagram No. 1. An inspection of this diagram shows that the rainfall from month to month at each of these stations exhibits the same general characteristics, and that the differences in amounts recorded at the various stations in each month are not excessive. An average of the observations at the three stations for the twenty-five years in question is also shown on the diagram and probably gives a fair indication of the usual monthly distribution of the rainfall in the region of the Croton watershed. In a similar way the rainfall at six stations in western Connecticut for the same period has been compared, and here also it is probable that an average of the observations gives a fair indication of the usual monthly distribution of the rainfall in that section of New England. A comparison of the monthly rainfall in this district with that on the Croton watershed is shown in the lower part of diagram No. 1.

This comparison shows that the rainfall in the two districts is distributed through the year in much the same way. The total precipitation is smaller in western Connecticut, due chiefly to a lower rainfall for the months from September to May inclusive, though the rainfall in the winter months is also less than on the Croton watershed.

A notable feature of the distribution of the rainfall in these districts is the high precipitation in summer, the amounts recorded in July and August being much greater than in any of the other months in the year. The lowest precipitation occurs in the spring, in the months of April and June, and another period of low precipitation in the autumn, in October and November.

It is also practicable to compare the rainfall at the Old Croton Dam and the Boyd's Corner stations on the Croton watershed for a period of thirty-eight years, ending in 1910, with the rainfall at five stations in western Connecticut for the same period. The results on the whole are quite similar to those of the twenty-five year period, but in the longer period the rainfall on the Croton

watershed was higher in every month than at the stations in western Connecticut.

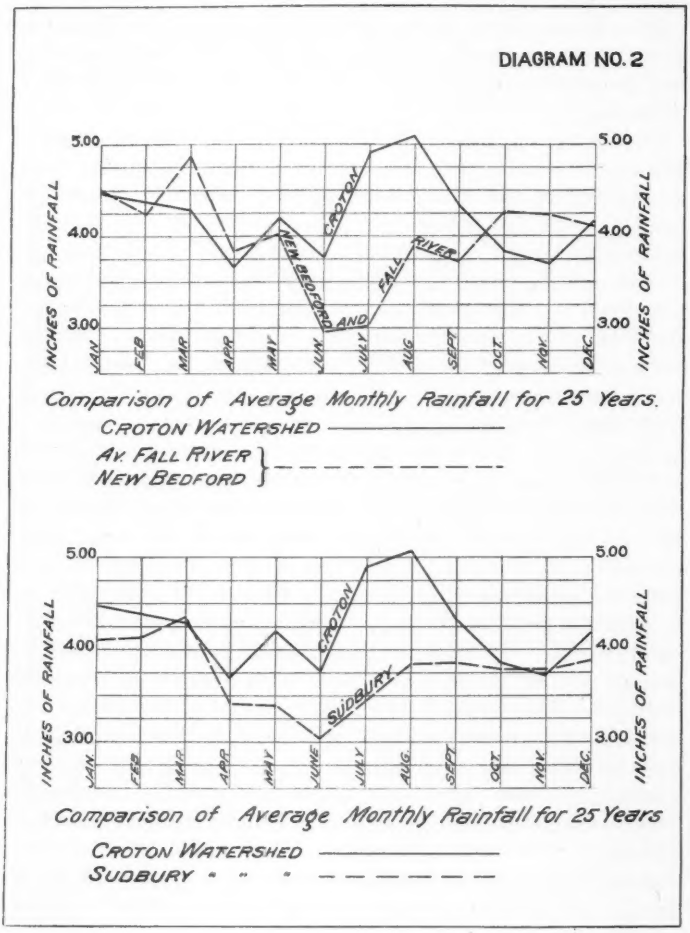
Following this method, the average monthly rainfall for a large number of districts throughout New England has been compared with very interesting results, some of the more notable of which will be presented here.

It has already been shown that an area of high rainfall extends from the neighborhood of the Croton watershed across southern New England, diminishing but little until it approaches the eastern coast.

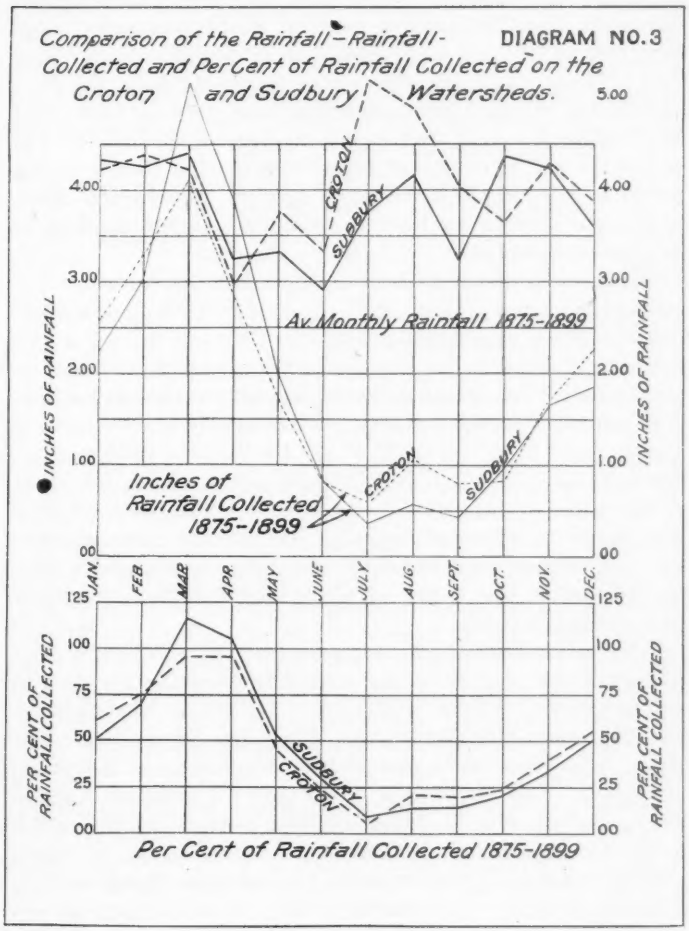
The average rainfall on the Croton watershed amounted in the twenty-five years from 1886 to 1910 to 50.8 in., while the average rainfall at Fall River and New Bedford, near the eastern extremity of this area of high rainfall, was for the same period 47.6 in. A comparison of the monthly rainfall in these two districts is shown on the upper part of diagram No. 2. An inspection of this diagram shows a remarkable difference in the distribution of the rainfall in these two districts. On the Croton watershed the maximum occurs in the summer months of July and August, and the minimum in April and November, while at Fall River and New Bedford the maximum occurs in March and the minimum in the summer months of June and July. The average rainfall at Fall River and New Bedford is considerably higher than on the Croton watershed in the months from October to April inclusive, and as this period includes the portions of the year when the percentage of rainfall collected in the streams is greatest, it is probable that during these months the average yield of the streams in southeastern Massachusetts would be somewhat higher than on the Croton. On the other hand, from May to September the average rainfall on the Croton is very much higher than at Fall River and New Bedford, but as the percentage of rainfall collected in these months is comparatively small, it is not probable that the higher annual rainfall on the Croton watershed produces a materially higher flow in the streams in that region than results from the somewhat smaller annual rainfall in southeastern Massachusetts.

A comparison of the average rainfall at the three stations on the Croton watershed for the twenty-five years already indicated

with the monthly rainfall in the same period — 1886–1910 — on the Sudbury River is shown in the lower part of Diagram 2. This comparison is a very interesting one. The rainfall on the Sudbury watershed during the months from October to March, inclusive, during this period averaged about the same as on the Croton,



while throughout the late spring and the summer months, from May to September, inclusive, the rainfall on the Croton watershed was much higher than on the Sudbury. For the entire period the rainfall on the Croton watershed was 50.8 inches, and on the Sudbury, 45.90 inches.


Comparison of the Rainfall – Rainfall-
Collected and Per Cent of Rainfall Collected on the
Croton and Sudbury Watersheds.
DIAGRAM NO. 3
INCHES OF RAINFALL
Av. Monthly Rainfall 1875-1899
CROTON
SUDBURY
Inches of Rainfall Collected 1875-1899
JAN. FEB. MAR. APR. MAY JUNE JULY AUG. SEPT. OCT. NOV. DEC.
PER CENT OF RAINFALL COLLECTED
Per Cent of Rainfall Collected 1875-1899

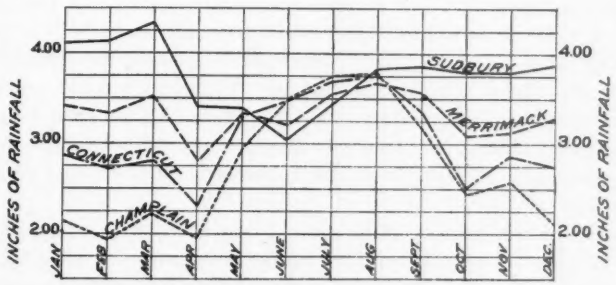
It so happens that it is practicable to compare both the rainfall and stream flow on the Croton and Sudbury watersheds respectively for a period of twenty-five years from 1875 to 1899, and this comparison is shown in the upper part of diagram No. 3. It will be seen from this diagram that, while the rainfall in this period differed considerably on both the Sudbury and Croton watersheds from the amount recorded in the twenty-five years from 1886 to 1910, the relative amounts of rainfall on each watershed in these two periods were approximately the same, the average rainfall on the Croton watershed from 1875 to 1899 being 48.77 inches per year, and on the Sudbury 45.83 inches. The rainfall on the Sudbury was higher than on the Croton in this period in the months of October, January, March, and April; in all other months it was lower, especially the months from May to September, inclusive.

Taking the period as a whole, in contrast to this marked difference in the amount of the rainfall, the average stream flow in these two watersheds was almost exactly the same, amounting in this period to 22.50 inches per year on the Croton and 22.48 inches on the Sudbury. The actual amount of rainfall collected on the Sudbury watershed exceeded that on the Croton only in the months of March, April, May, and October; yet the excess in these months, especially in March and April, counteracted wholly the effect of the higher average rainfall on the Croton watershed, which is due largely to a marked excess in the summer months, when the yield of watersheds is least. The actual percentage of rainfall collected on each watershed by months is shown in the lower part of diagram No. 3.

In the next diagram, No. 4 (upper portion), is shown a comparison of the monthly rainfall on the Sudbury River watershed with the rainfall of three large districts in northern New England, viz., the upper Merrimack River valley, the upper Connecticut River valley, and the region of Lake Champlain in the period 1886–1910. This comparison shows that the maximum rainfall during this period in all of these northern districts occurred in the month of August and the minimum in the month of April, while on the Sudbury the maximum occurred in March and the minimum in June. The rainfall in all of these districts for the

months of July and August was much the same, while in June and July the rainfall on the Sudbury was less than that in the other valleys. In all other months of the year excepting May the rainfall on the Sudbury River is much the highest. It will be noted that

DIAGRAM NO. 4.



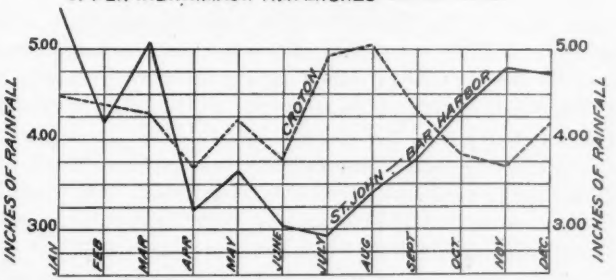
Comparison of Average Monthly Rainfall for 25 Years.

SUDBURY WATERSHED ——————

LAKE CHAMPLAIN - - - - - - - - - - - - - - - - - -

UPPER CONNECTICUT WATERSHED —·—·—·—

UPPER MERRIMACK WATERSHED — — — —



Comparison of Average Monthly Rainfall for 25 Years

CROTON WATERSHED - - - - - - - - - - - - - - - -

ST. JOHN
BAR HARBOR } ——————

the amount of rainfall in the districts compared decreases regularly toward the north and northwest.

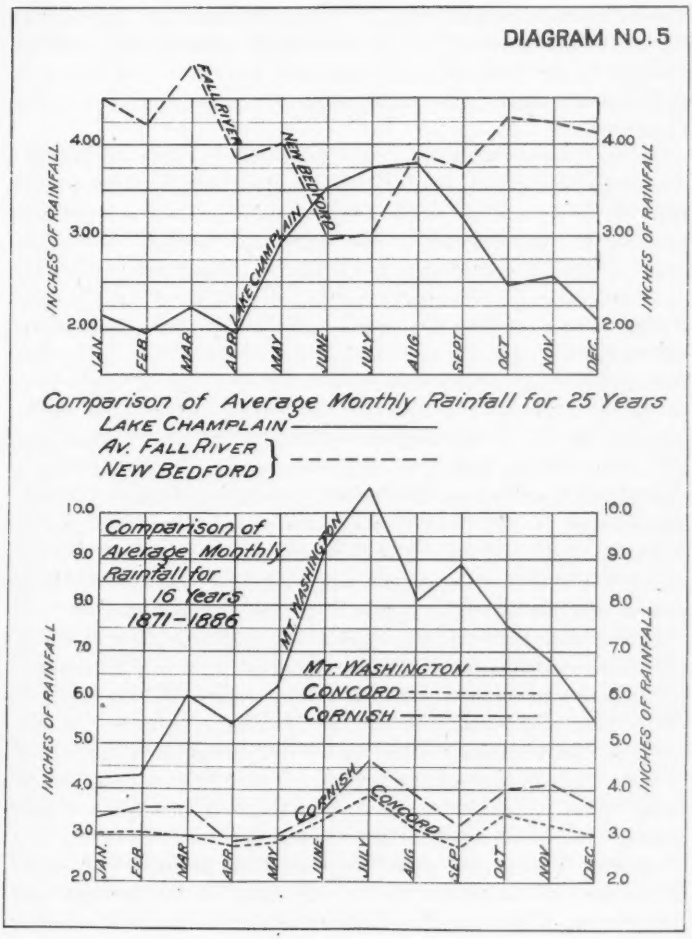
It is evident from this diagram that during the months from May or June to August or September, inclusive, — that is, during the period of the growing of crops, — there are no great differences in the monthly rainfall throughout the principal valleys of central and northern New England, so that, so far as agricultural operations are concerned, neither section has any natural advantage over the other in respect of the amount or distribution of the rainfall; but during the autumn months — and especially in the winter and spring, when the percentage of the rainfall reaching the streams is highest — the rainfall on the Sudbury watershed is much greater than in the northern valleys, and this difference is so great that it is essential that it be taken into account in considering the yield of watersheds in these districts, especially where storage enters into the calculation.

In the lower portion of diagram No. 4 is shown a comparison of the monthly rainfall on the Croton watershed with the rainfall at Bar Harbor and St. John for the same period of twenty-five years ending with 1910. The results of this comparison are similar to those already made between the rainfall on inland areas and those near the coast. On the Croton watershed the maximum rainfall occurs in summer and the minimum in the spring and autumn, while at Bar Harbor and St. John the minimum occurs in summer and the maximum in winter. The average annual rainfall on the Croton watershed during this period was 50.8 in., and at Bar Harbor and St. John 48.6 in., but since the percentage of rainfall collected in the streams is very much greater in the winter and spring than in the summer, it is probable that a considerably larger yield on a given area would result from a rainfall distributed as at Bar Harbor and St. John than from an equal amount of rainfall distributed as on the Croton watershed.

In the upper portion of diagram No. 5 is shown a comparison of the rainfall at Fall River and New Bedford, the extreme southeastern part of the district, with the rainfall in the region of Lake Champlain, in the extreme northwestern section. The results are much the same as those shown by previous diagrams, the rainfall at Fall River and New Bedford being somewhat less in summer

than in the region about Lake Champlain, while in several of the winter and spring months the rainfall in the southeastern district is nearly twice as great as in the Champlain region.

The most interesting in many ways of all the diagrams com-



paring the seasonal distribution of the rainfall in New England is the comparison of the monthly rainfall for the years 1871–1886 on the summit of Mt. Washington with that of the two nearest stations to the southwest and southeast at which records are available for the same period. This comparison is shown in the lower portion of diagram No. 5. It will be noted that the rainfall on Mt. Washington is not extraordinarily greater than that at Cornish in the months of January and February, but that the differences in all the other months are very great, especially in the summer.

An interesting fact brought out by these diagrams is that the maximum rainfall in the central and northern districts of New England occurs in summer, while in the coast districts the maximum practically always occurs in the winter and spring. A further study of this difference has been made by indicating upon a map of New England the month of maximum rainfall at each station during the last twenty-five years. The result shows that along the eastern coast and for several miles inland, the maximum monthly rainfall during these years has occurred in the winter or spring, while west of this line the maximum has occurred invariably in one of the summer months. This line begins near the center of Long Island, crosses Connecticut east of New Haven and Massachusetts west of Worcester, and thence passes through Manchester, N. H., Lake Winnipesaukee and east of Mt. Washington to western Maine. The distribution of the monthly precipitation is such that, other things being equal, the yield of watersheds east of this line would be greater than those to the west of it.

It is evident from an inspection of the diagrams presented that the summer rainfall forms a much higher proportion of the annual precipitation in the northern and western valleys of New England than in the south and east, and as the yield of summer rains is much smaller than those of the winter and spring, the annual yield of watersheds in western and northern New England, other things being equal, is probably less in proportion to the total annual rainfall than in the southern and eastern districts. Variations due to other influences may modify somewhat the probable differences in stream flow indicated by the variations in the amount and distribution of the rainfall, and accurate continuous measurements

of rainfall and stream flow in northern New England watersheds, especially in the regions in which the amount and distribution of the rainfall differ greatly from those recorded on the watersheds of the carefully measured streams in southern districts, would be of great interest and value. It is of especial importance that more information be obtained as to the rainfall in the mountainous districts, concerning which very little is definitely known.

Variations in the Annual Rainfall.

Most important in their influence upon the flow of streams and yield of watersheds are the variations in the amount of the annual rainfall, and the questions whether the quantity is increasing or diminishing, whether changes in the amount occur at regular or irregular intervals, and the extent and limits of these variations are of great scientific and practical importance.

For the purpose of obtaining information relative to these questions, an effort has been made to secure the longest continuous series of observations of the rainfall in New England that is afforded by available records.

The earliest observations of the rainfall in New England, as previously stated, are those which were kept continuously by Professor Winthrop at Cambridge, Mass., for twenty-five years from August, 1749, until April, 1775, and by the use of these observations, supplemented with those of other observers, it has been practicable to obtain a nearly continuous record of the rainfall for the region about Cambridge from 1749 until the present time. The sources from which this record has been made up are described in detail elsewhere and need not be referred to here. The years for which observations are lacking are all included in the period from 1775 to 1791. In the first five of these years, 1775–1779, partial observations are available, and these have been used, supplemented with estimates based on a study of the diaries of the period. These diaries in their reference to the condition of crops, the height of water in lakes and streams, and the depth of snow, often give some idea as to the probable precipitation, so that it is possible to judge whether the precipitation of the period was marked by any very material divergence from the normal.

For the years 1780, 1781, 1787, 1788, 1790, and 1791, no records have been found. It is known that during four of these years, 1787, 1788, 1790, and 1791, observations of the rainfall were made at Cambridge by Professor Williams, and it is probable that these records, or some of them, will later be brought to light. It is also highly probable that records for parts if not all of the other years were kept by some of the observers either at Andover or Cambridge and will eventually be obtained.

For the present an estimate of the amount of rainfall in these years has been supplied by using the average rainfall for the entire period. In the period from 1792 to 1803, observations are available at Charlestown and Stow, and occasional observations at Andover, and these have been used in lieu of observations at Cambridge. Between 1804 and 1817 the only available records are those at New Haven, New Bedford, and Brunswick, Me., and it has been necessary to use these records, making such allowances as were deemed necessary for the difference in the geographical location and elevation of the stations.

In 1818 the records at Boston become available, and later on observations at other places, especially at Waltham, Lowell, Lynnfield, and still later the records at Cambridge itself.

In the presentation of diagrams showing variations in the amount of rainfall, progressive averages have commonly been used, made up in accordance with formulas which give varying weights to each successive year in a group usually of five years.

In the consideration of questions relating to the flow of streams, and especially the development of storage on New England watersheds, the reliable yield of a stream or reservoir is the amount of water that it is capable of supplying constantly in a period of deficient rainfall. In watersheds where the storage development is small in proportion to the size of the drainage area, this critical period may cover only a few months, while with great storage development it may extend over a period of from two to five years and possibly longer. In presenting a diagram of the variations in rainfall for the neighborhood of Cambridge from 1749 to the present time, a progressive average has been made by plotting the successive averages of the rainfall for three-year periods upon the ordinate representing the last year of the group. The results of

SHOWING P
E

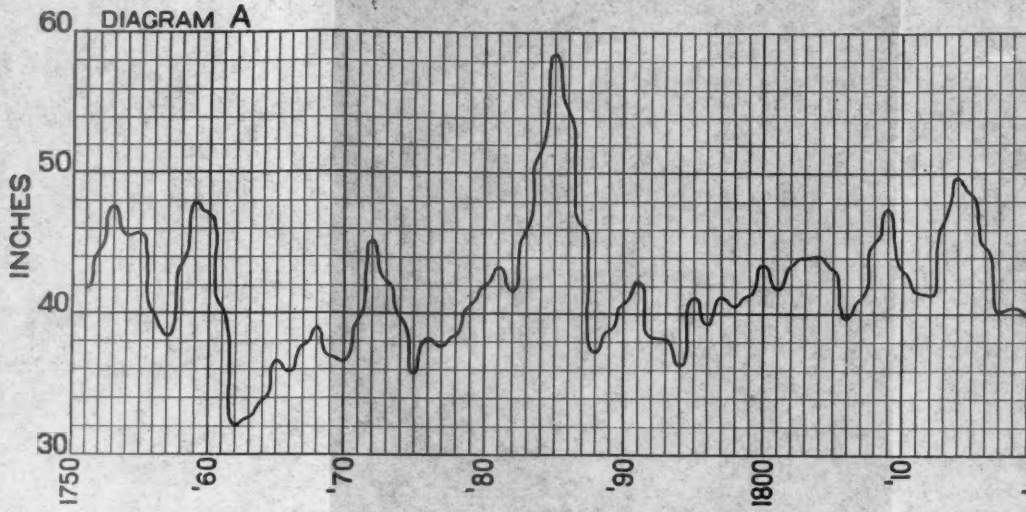


DIAGRAM A
60
50
40
30
INCHES
1750
'60
'70
'80
'90
1800
'10

70
DIAGR
60
50
40
INCHES
1820

DIAGRAM
G PROGRESSIVE AVERAGE RAINFALL IN EASTERN MASSACHUSETTS
1749 — 1913

Note The progressive average is made by plotting the successive averages of the rainfall for three year periods upon the ordinate representing the last year of the period.

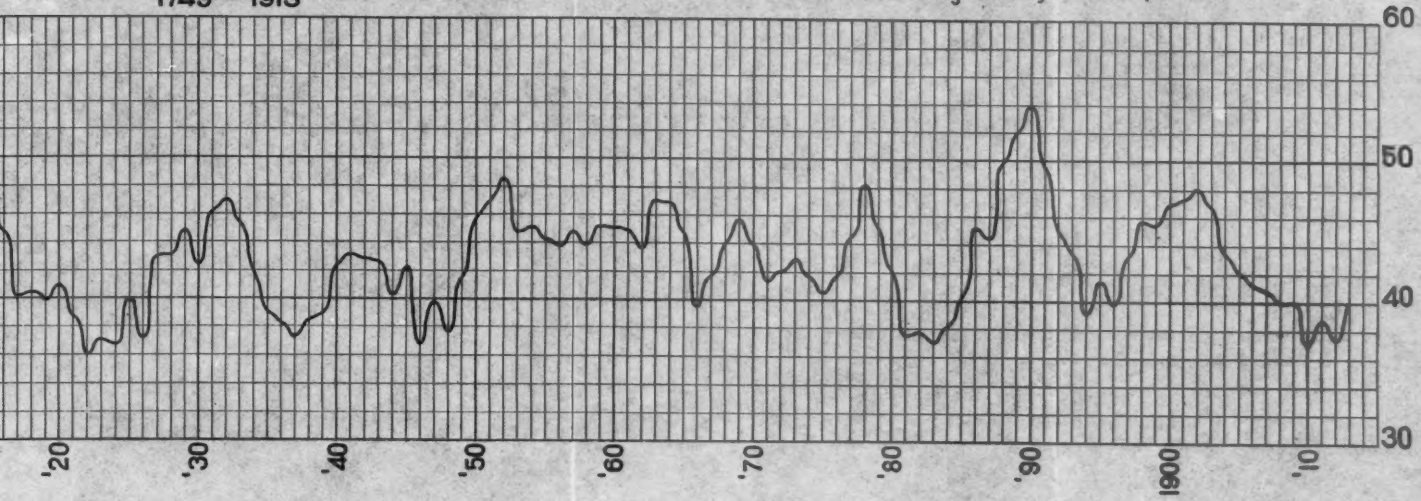
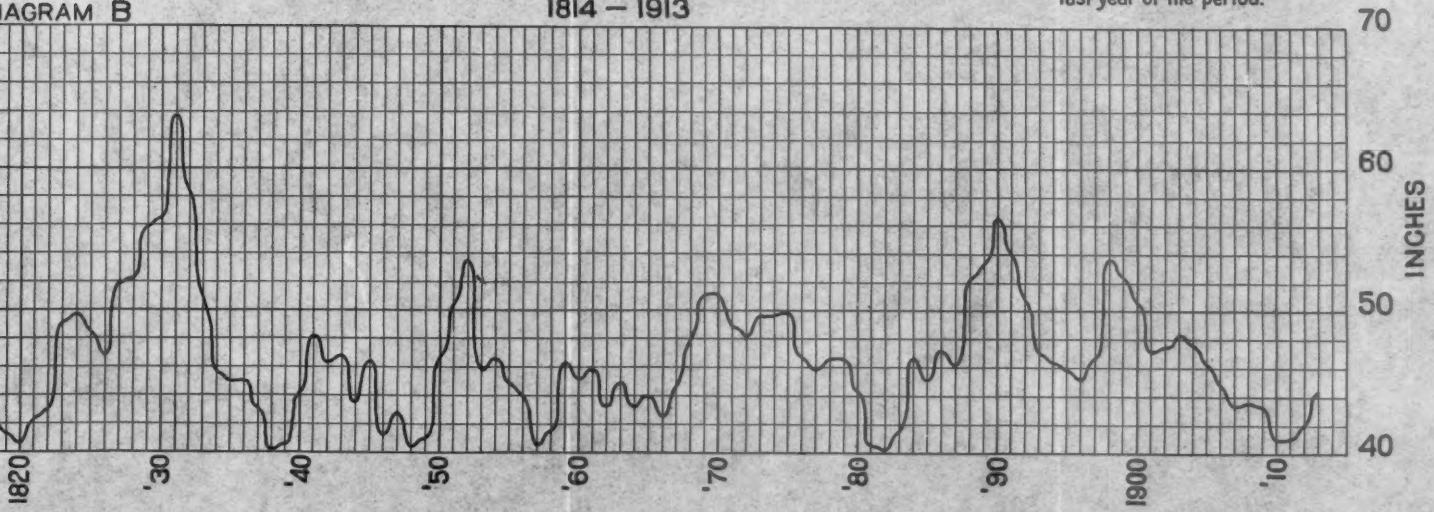


DIAGRAM
SHOWING PROGRESSIVE AVERAGE RAINFALL AT NEW BEDFORD
1814 — 1913

IAGRAM B

Note - The progressive average is made by plotting the successive averages of the rainfall for three year periods upon the ordinate representing the last year of the period.



this study, plotted in the manner described, are shown upon the accompanying Plate XXIII, Diagram A.

No evidence is shown by this long record that the rainfall in New England is either increasing or diminishing, nor are there any indications of a regular variation in the annual quantity. So far as this record shows, the variations in the annual rainfall are usually short and quite irregular, though the amount may at times remain below or above the average for many years, as in the period from 1832 to 1849, when the amount was almost continuously below the normal for seventeen years, or in the period from 1850 to 1863, when it was almost continuously above it. The periods of continuously high or low rainfall are usually short, averaging from five to seven years.

The most striking of the variations from the normal are the excessive rainfalls in the periods 1783–1785 and 1888–1890 and the great deficiency in 1760–1762. The maximum annual rainfall in the entire one hundred and sixty-five years occurred in 1785 and amounted to 62.40 in.

With the exception of the excessive rainfalls of 1783–85 and 1888–90, occurring almost exactly one hundred years apart, the maximum rainfall in the region of Cambridge has never equaled an average of 50 in. for a three-year period, and with the two exceptions indicated a maximum of 48 in. for three years has been reached but five times, though in four other periods the maximum has exceeded 47 in.

In the period of three years of lowest rainfall, 1760–62, the average amount fell to a little over 32 in. per year, and the rainfall for the minimum year, 1762, amounted to 24.47 in. Next to that period the lowest average occurred in the period of 1820–22, when the average was a little over 36 in. for three years and the rainfall for the minimum year, 27.20 in.

The average rainfall at Cambridge for the whole period from 1749 to date, computed from records compiled in the manner described, is 42.31 in., and the average rainfall for the past forty years, 1873–1912, is 43.02 in., or about 1.7 per cent. higher than the average for the entire one hundred and sixty-five years. This difference under the circumstances is insignificant. The rainfall for the minimum year, as already indicated, was 24.47 in., and for

the maximum, 62.40 in. In the last forty years the rainfall in the minimum year was 31.35 in., and in the maximum, 59.39 in.

Next to the long record that it has been practicable to compile for the region in the neighborhood of Cambridge, the longest continuous record of rainfall observations in New England is that at New Bedford, which covers a period of one hundred years. A progressive average of the annual rainfall at New Bedford for three years is shown on Plate XXIII, Diagram B. These observations were made in a district having a considerably higher normal rainfall than occurs at Cambridge, and a comparison of the variations in the rainfall at these stations is of much interest.

The diagram of the rainfall at New Bedford shows in a general way much the same gradual rise and fall in the average rainfall for three-year periods that is shown by the Cambridge diagram already considered.

The greatest average rainfall for three successive years at New Bedford occurred in 1829–31, when the average precipitation amounted to 63.7 in. per year. In 1888–90 the average was 56.5 in. The former quantity is somewhat higher, even allowing for the difference in normal, than occurred in the neighborhood of Cambridge in 1783–1785, which was 58.7.

The minimum rainfall for any three years shown by these observations occurred in the three years 1836–1838, when the amount fell to 40 in. The next lowest occurred in 1880–82, when the amount was 40.2 in.

The average rainfall at New Bedford for the century covered by the observations was 46.47 in., and for the past forty years, 46.65 in.; that is, as in the case of Cambridge, the rainfall for the past forty years has been very slightly higher than the average for the entire one hundred years. The maximum rainfall for the entire period was 65.41 in., in the year 1829, and the minimum, 34.51 in., in the year 1846. During the past forty years the maximum rainfall was 62.60 in. in 1898, and the minimum, 36.81 in., in 1885.

The periods of maximum and minimum rainfall are somewhat more sharply defined than at Cambridge, and it is possible to divide the table of yearly rainfall into quite definite periods of maximum, minimum, or average precipitation which show the

approximate periodic variations at this station for the past century. The average length of the periods is from seven to eight years. These periods and the average amount of rainfall in each are shown in the following tables.

TABLE SHOWING GROUPS OF DRY, WET, AND AVERAGE YEARS AT NEW BEDFORD.

Period.	No. of Years.	Average Rainfall per Year.
1814–1822	9	42.28
1823–1832	10	54.26
1833–1839	7	42.79
1840–1843	4	47.48
1844–1849	6	41.06
1850–1854	5	50.74
1855–1866	12	43.23
1867–1878	12	48.91
1879–1885	7	42.59
1886–1890	5	54.22
1891–1895	5	45.69
1896–1904	9	49.45
1905–1913	9	42.87

Placing these periods in the order of the average amount of rainfall from the least to the highest, the results are shown in the following table.

Period.	No. of Years.	Average Rainfall per Year.
1844–1849	6	41.06
1814–1822	9	42.28
1879–1885	7	42.59
1833–1839	7	42.79
1905–1913	9	42.87
1855–1866	12	43.23
1891–1895	5	45.69
1840–1843	4	47.48
1867–1878	12	48.91
1896–1904	9	49.45
1850–1854	5	50.74
1886–1890	5	54.22
1823–1832	10	54.26

The variations in the amount of the annual rainfall at many other stations at which records have been kept for long periods are similar to those noted at New Bedford.

Maximum and Minimum Rainfall.

In the determination of the probable heights of freshets in New England rivers many other circumstances than differences in the amount of the annual or monthly rainfall enter into the calculation, such as the season of the year, rate of precipitation, condition of the ground — especially the presence or absence of snow, character of the watershed, etc., and in making comparisons of periods of maximum rainfall for the purpose of estimating their probable effect upon the flow of streams, careful consideration must be given to the conditions which are likely to affect materially the proportion of the rainfall which will enter the streams. For example, the great rain of February 10–14, 1886, in which the total precipitation reached or exceeded 8 inches in southeastern Massachusetts and portions of Rhode Island, produced the most destructive freshet ever recorded in southeastern New England, while an equal amount of rain in a much shorter time on October 11 and 12, 1895, had little effect beyond a slight flooding of low lands. In the former case the rain occurred in winter when the reservoirs and ponds were for the most part well filled, and the frozen ground was covered deeply with snow, while in the latter case the rain occurred in the early autumn after a long period of dry weather and at a time when the reservoirs were considerably depleted. Under the conditions existing in New England, a comparison of annual or monthly rainfalls in different periods is of little value as an indication of the comparative heights of freshets unless allowance is made for other important conditions which may greatly modify the effect of a high rainfall.

On the other hand, the rainfall in periods of extreme drought furnishes a very fair basis for estimating the comparative flow of streams in such periods, but even here variations in the distribution of the rainfall in the different seasons of the year, in the amount of precipitation that occurred in previous periods, and other circumstances, might produce a considerable difference in the yield of a watershed in two periods having the same total rainfall. The best method of estimating the probable comparative flow of streams in periods of drought by the use of the rainfall observations alone is to compare the precipitation month by month, since a rainfall of 5 or 6 in. in the months of March or April would

ordinarily mean a flow in the streams many times as great as would an equal quantity in the months from July to October, as has already been indicated by the diagram showing the comparative rainfall and run-off in the Sudbury and Croton river watersheds.

Nevertheless, a comparison of the annual rainfall in periods of great deficiency furnishes in a general way a measure of the probable comparative flow of streams in such periods, and a comparison of the monthly records can be made in cases where more definite information is desired.

From an inspection of the diagram showing the rainfall at Cambridge by three-year periods from 1749 to the present time, it appears that the period of lowest rainfall occurred in the years 1760–62, but the dry period in which these years occurred extended almost continuously from 1760 to 1775 and probably included a few subsequent years. While the lowest rainfall for three years occurred in 1760–62, the rainfall in several subsequent groups of years in this period was also very low, as, for example, the period from 1761–63, with an average of 32.59 inches; 1773–75, with an average of 35.77 inches; and 1764–66, with an average of 35.80 inches. The ground water levels must have fallen very low in the period from 1760–63, and it is not at all improbable that, even with a somewhat higher rainfall, the flow of streams in 1764–66 was nearly or quite as low as in the period 1760–62.

In no other group of years are the rainfalls as low as in the years 1760–75 as recorded by Professor Winthrop. Next in order of dryness to the years included in Professor Winthrop's records are the dry periods of 1820–26, in which the minimum three years was 1820–22, with an average rainfall of 36.09 inches. Then come 1792–94, with an average rainfall of 36.36 inches; then, the years 1844–49, with a minimum rainfall in 1844–46 of 36.89 inches, and then the period of 1908–12, with a minimum rainfall in the period 1908–10 of 37.06 inches. This period differs but little, however, from the period 1879–83, with a minimum of 37.09 inches in the years 1881–83, and the period 1835–39, in which the minimum was 37.44 inches in the years 1835–37.

It is probable, judging from these records, that lower flows of streams occurred in the neighborhood of Cambridge in 1820–22 and 1792–94 than in the dry years of recent experience, and it is

also probable that there were at least two other periods in which the deficiency was as great as in recent years, but the records of the great drought of 1760–62 show a rainfall far lower than any other that has occurred in Cambridge in a period of one hundred and sixty-five years. Judging from these records, such droughts as that of recent experience may be expected to occur on an average as often as once in twenty years, and at very long intervals there may be periods of much greater drought.

At New Bedford the periods of low rainfall were similar to those at Cambridge. The period of lowest rainfall occurred in 1836–39, the lowest average precipitation for three years being 40.06 inches in 1836–38. The next lowest period was that of 1879–83, with a minimum of 40.48 inches in the years 1880–82. Next in order comes the period 1844–49, with a minimum rainfall of 40.39 inches in the years 1846–48, and then the period 1817–20, with a minimum of 40.58 inches in 1818–20. In the period of 1855–58 very low rainfalls were recorded at New Bedford, the lowest being an average of 40.46 inches in the years 1855–57. This period does not appear to have been a seriously dry one in most parts of New England. The lowest rainfall in the period 1908–12 occurred in the years 1908–10, with an average for three years of 40.84 inches. In this case, also, drier periods than those of recent years have occurred in the past, and as many as six periods of approximately equal or greater deficiency in rainfall have occurred during the century covered by these records, an average of one in about seventeen years, though three such periods occurred in the twenty years between 1836 and 1856.

A study of the records of rainfall at other stations shows similar results, but if periods of less than three years are considered, the number of very dry periods is increased and the relative average rainfall at each is in some cases considerably modified. A consideration of these shorter periods at other stations than Cambridge and New Bedford indicates the occurrence of very dry periods in a large part of New England in 1863–64 and 1893–94, as well as others in earlier times.

Judging from a comparison of the available rainfall records for the eighty years from 1833 to 1912, the year 1846 was by far the driest thus far recorded throughout a very large part of New England.

As already stated, the conditions affecting the distribution of the rainfall appear to act quite uniformly throughout the greater part of New England, and a year of deficient rainfall which affects seriously a portion of the area usually affects the greater part of it, but there is considerable variation in the distribution of the rainfall even in very dry years, and in consequence the notable droughts of the past forty years have varied somewhat in intensity from place to place. For example, the year 1880 was probably the year of least rainfall in the last forty years in a considerable area in central and southern New Hampshire and a small portion of Vermont, and it was also probably the driest year in small portions of western Connecticut and adjacent sections of New York. The year 1883 was a year of severe drought in parts of central and southeastern Massachusetts and in the Connecticut River valley in Connecticut, and in adjacent portions of New York, while the year 1894 was probably the driest recorded in certain sections of northern Connecticut, western Massachusetts, the southern parts of Vermont and New Hampshire, and throughout the extreme northern and eastern parts of New England. In other large sections, the rainfall of 1908 or 1910 was lower than in any of the past forty years.

In comparing the total rainfall in the periods of two or three years in which these years of great drought have occurred, it will be found that the differences in the amounts are not great and the comparative flow of a stream in each of these periods probably depended to a considerable extent upon the seasonal distribution of the rainfall.

Summary.

The results of this study as a whole show very clearly that, so far as it is possible to judge from available records, which cover at the longest a period of one hundred and sixty-five years, there are no indications that a notable increase or decrease is taking place in the rainfall of New England, nor is there any marked evidence of material change in its seasonal distribution. Permanent changes in the amount of the rainfall, if they are occurring, probably take place very slowly through a very long period of time, compared with which the period covered by recorded observations is insignificant.

As to the occurrence of periodic variations of considerable length, the available records do not appear to furnish a reliable basis for definite conclusions. As a rule, so far as these records show, the amount of the rainfall fluctuates frequently with little apparent regularity, and periods of high or low rainfall rarely continue for fifteen years, while their average duration is from five to eight years. The results recorded in some cases appear to indicate a steadily increasing or decreasing rainfall for periods of many years, as, for example, the constant increase at Providence, R. I., for forty years — 1837–77, and at New York for twenty-eight years — 1842–69, or the constant decrease at Albany, N. Y., for forty years — from 1871 to the present time; but these indications appear to be exceptional.

Nevertheless, it is true that dry periods such as that of recent experience and of even greater intensity occurred with comparative frequency in the first half of the nineteenth century, while in the last half of that century — from 1850 to 1902 or 1903 — there were only two or three periods of great drought, none of which probably was as severe as those of the earlier time or in the years of recent experience. If this circumstance indicates a periodic variation in the amount of the rainfall covering periods of about fifty years, as has been suggested by some of the students of the subject, then many years of low rainfall lie immediately before us.

Dry periods such as that of 1908–11 have occurred three or four times during the past sixty years but were apparently of much more frequent occurrence during the early half of the nineteenth century. From the longer records, such periods may be expected to occur on an average once in fifteen to twenty years and may occur as often as at intervals of ten years, or even less. The droughts of the earlier half of the nineteenth century, especially in 1822, 1837, and 1846, which followed in each case several years of deficient rainfall, were probably more serious than those of more recent times. The recurrence of such periods would probably reduce the flow of streams to smaller amounts than have been recorded since observations of stream flow were begun in New England.

The great drought in 1760–62 was probably the most severe that has occurred in New England since observations of the rainfall were first begun there, and the recurrence of another such

period of low rainfall would undoubtedly prove far more disastrous than in that earlier time, when public water supplies were practically unknown and stream development had hardly begun, though the contemporary records show that the effects of this great drought were serious enough to the people of that day.

Under present conditions in New England, the development of water supplies for any purpose to an extent sufficient to meet such a drought as that of 1760–62 may seem hardly to be justified, but periods such as those of 1821, 1837, and 1846 must be expected to recur, and with rainfalls as low as were recorded very generally throughout the greater part of New England in those years, a materially greater reduction would probably be made in the flow of streams and in the storage in lakes and reservoirs than has been experienced in recent times.

The intensity of droughts varies from place to place and, while the great drought of 1908–11 caused a lower flow in the streams in some sections in New England than any other for the past sixty years, the indications are that in other sections one or another of the previous droughts in this period, such as that of 1893–95, or 1880–83, was more severe.

It is evident that much more complete observations of the rainfall than are being recorded even at the present time are necessary for the satisfactory determination of many of the questions relating to the flow of streams and yield of watersheds in different parts of New England. In the mountain regions, especially in central and northern Maine, in and about the White Mountains of New Hampshire, and in the Green Mountains of Vermont, Massachusetts, and Connecticut, observations of the precipitation at more numerous stations properly distributed would furnish information of very great interest, and not less interesting would be a more thorough observation of the rainfall along the coast for the study of the causes of the great variations in rainfall that apparently occur in these regions within very narrow limits. It would be a great advantage, also, if complete records of the observations now made were more readily available for the use of those interested in this subject. Observations are made at several stations by the national government, and many valuable records are being collected by colleges and academies, by state and muni-

cipal water departments, and by water supply and water power companies and others, but many of these observations are published, if at all, only in public or private reports and annals, from which they must be collected if the observations are to be made available for study. Furthermore, many valuable observations are being made by corporations and private individuals which are not always accessible to the public.

At the present time, with the great developments that are taking place in the uses of lakes and rivers, not only for water supplies and industrial enterprises, but for the irrigation of crops and other purposes, thorough and accurate information as to the rainfall and stream flow is becoming of the greatest practical importance, and in order to supply satisfactory information relating to these questions, more numerous and careful observations are required than are being made at the present time. The work done by the New England Meteorological Society was very valuable in stimulating an interest in matters relating to climate and rainfall, in extending the number of observations, and especially in securing prompt comparisons and discussions of results, which aided greatly in the maintenance of complete and accurate observations. The work of the weather service has not fully filled the place of that society in these important respects, and it would aid greatly in the advancement of knowledge relating to this subject if a local organization similar to the New England Meteorological Society coöperating with the weather service should again take up this important work.

Rainfall Tables — Explanatory Note.

The records of rainfall in New England presented in the following tables are arranged by states in the following order: Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut. Observations in adjacent portions of New York and of Canada follow in the order named.

As a general rule, the stations in each state are arranged alphabetically by towns, but in a few cases where the name of the station is better known in connection with rainfall observations than that of the town, — as in the case of Bar Harbor, Me., if placed under the name of the town of Eden, — or where confusion

might arise, — as in the case of Chestnut Hill, Mass., if placed under Boston, — the name of the station is used instead of that of the municipality in which it is located.

In cases where the observations have been made by the Weather Bureau or are reported regularly to that office, the name of the observer is not usually given, since a list of the observers is printed in the Weather Bureau reports. In cases where the observation is made by a water department or a corporation, the name of the department or corporation is usually given, and in cases of private observers the name of the observer — where known — is printed at the head of the table.

In considering rainfall observations, the elevation of the gage above the sea is a very important point, and the elevation has been given at the head of each table in practically all cases.

The elevations wherever possible have been taken from Weather Bureau records. In other cases the elevations have been obtained from the reports of water-works officials or officials of corporations having charge of the observations. Where no other information has been found to be available, the elevations have been obtained from the maps of the United States Geological Survey and are necessarily only approximate.

In making up the tables it has been practicable in a few cases to secure access to the original records, and in all such cases the figures given are those of the original record. The number of cases in which original records have been accessible are comparatively few, however, and usually dependence has had to be placed on a published record. Many of the older records have been published in many places, and comparisons of a given record in different publications sometimes show considerable differences. In such cases the record presented is that which appeared after examination to be the more reliable. It will consequently be found that some of these records differ from those presented in available publications, and in a few cases the records as printed in the reports of the Weather Bureau have been rejected where these records appear to follow a less reliable source of information than another which is available.

In the course of the inspection of rain gages, of which many have been examined, a number have been found defective. Where

practicable, a standard gage has been set up in the neighborhood of the defective gage to determine the amount of error, and where this difference has been fairly constant for a considerable time a correction for the record is given in a note appended to the table. In one or two other cases where an error in measurement had been made, due to the use of a measuring vessel of different capacity from the amount assumed, the error has been corrected and the correction usually noted in the tables.

Comments as to the accuracy of the tables have not been presented, except in cases where definite reasons for doubting the accuracy of the tables have been given.

Many of the records of rainfall observations, some of them among the longest and most valuable, are incomplete, and periods ranging from one month to several years are sometimes lacking. In most cases figures have been interpolated from other records at stations where the conditions appear to be similar. These interpolated figures are printed in heavy type and have been used in making up the average given at the bottom of the table. These averages include all of the years given in the table for which the record is complete in the original or has been completed by these interpolations.

A few records of rainfall observations in New England have been omitted from the tables. These are chiefly fragmentary or defective records or observations which cover a very short period of years and which have been discontinued. In a few cases where observations have been made for a considerable period of years in the immediate neighborhood of a station covering a much longer period which includes the years covered by the shorter record, the latter has been omitted, unless differences in elevation or some other circumstance gives it value.

All of the older records, however, even though fragmentary or covering very short periods, have been included, as, for example, the observations for a year and a half at Ipswich in the latter part of the eighteenth century, and the earlier observations at New Haven, Conn., and Brunswick, Me., etc. Such observations have also been included in regions where no other records of precipitation have been found.

MAINE.

RAINFALL AT BAR HARBOR, ME. Elevation, 20 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	2.95	3.50	2.39	3.05	3.55	2.18	4.10	5.75	3.95	6.30	8.35	3.83	49.90
1872	3.93	2.69	5.99	4.30	5.20	**5.96**	4.00	6.95	4.40	6.75	7.92	5.83	63.92
1873	5.39	3.12	4.24	4.75	3.80	2.80	3.10	1.25	4.47	5.31	5.62	7.33	51.18
1874	7.28	4.90	4.00	2.70	4.20	6.55	5.35	5.55	3.80	2.80	6.07	3.90	57.10
1875	0.24	5.32	5.06	4.30	2.10	3.95	5.50	2.10	3.32	**5.51**	5.30	2.86	45.56
1876	8.11	6.05	**7.34**	3.51	2.70	3.60	7.90	1.70	3.65	8.10	3.77	4.58	61.01
1877	3.74	1.75	9.04	2.53	3.15	3.70	4.29	2.25	1.70	**5.11**	5.20	**2.08**	44.54
1878	4.76	3.46	0.78	**5.57**	1.70	5.70	2.95	6.95	**1.94**	5.70	**3.35**	5.79	48.65
1879	**1.97**	1.52	**4.09**	**3.81**	1.60	4.62	4.20	3.65	2.60	3.50	**4.71**	**3.53**	39.80
1886	9.29	5.89	3.28	1.07	3.90	1.75	1.51	1.44	2.58	2.58	5.74	3.30	42.33
1887	8.22	7.29	5 03	4.81	1.11	2.58	3.48	6.61	0.60	3.53	3.85	5.11	52.22
1888	4.81	4.77	4.02	3.00	3.67	1.53	3.24	4.29	6.36	7.84	7.60	5.98	57.11
1889	4.83	3.88	4.42	2 81	1.79	2.04	2.07	1.17	1.65	5.86	6.25	5.92	42.69
1890	3.64	3.64	6.31	1.82	10.81	3.15	0.99	5.93	4.25	3.12	2.59	6.13	52.38
1891	7.21	4.68	5.18	2.87	1.57	3.73	4.36	2.45	2.15	4.76	3.12	**4.05**	46.13
1892	**5.71**	**2.25**	**3.19**	1.34	2.25	4.43	1.01	5.09	1.79	1.17	5.11	2.33	35.67
1893	3.34	3.59	1.72	3.64	4.25	2.17	3.57	4.14	3.18	4.66	2.23	7.19	43.68
1894	3.46	1.47	1.46	1.59	4.33	1.50	1.99	1.65	4.17	4.96	**2.57**	**3.00**	32.15
1895	**4.62**	**1.54**	**2.98**	**3.16**	1.59	1.63	1.79	2.64	2.29	1.42	9.73	3.08	36.47
1896	1.47	5.50	6.32	1.19	2.96	2.39	6.05	2.90	6.04	5.85	5.10	2.60	48.37
1897	4.82	2.29	3.54	2.75	6.36	4.00	5.62	8.22	2.33	0.35	9.25	4.35	53.88
1898	6.45	9.15	2.95	4.85	2.45	3.27	1.70	2.92	3.55	9.25	8.35	3.60	58.49
1899	5.52	4.05	7.15	1.09	2.25	1.36	6.55	0.75	3.80	3.05	5.65	2.57	43.79
1900	11.15	6.20	8.57	3.15	6.07	3.52	1.65	1.90	3.15	6.77	5.48	2.43	60.04
1901	4.83	1.63	10.30	5.81	2.74	3.23	1.63	3.00	3.28	3.45	3.50	9.78	53.18
1902	4 05	3 83	14.37	3 07	2.52	7.60	1.75	3.24	2.50	5.11	1 79	7.12	56.95
1903	5.83	5.30	10.05	3.65	1.65	3.23	3.25	0.75	1.68	5.28	3.97	3.35	47.99
1904	5.37	4.05	5.37	5.02	4.62	1.40	1.72	5.24	9.81	2.55	2.25	3.63	51.03
1905	5.20	3.20	1.05	0.95	3 20	4.54	3.35	2.56	7.79	2.10	7.22	7.61	48.77
1906	4.46	2.70	8.10	4.33	4.78	2.25	2.28	0.75	1.40	4.40	4.10	4.55	44.10
1907	3 00	3.45	2.00	5.30	2.90	4.48	3.05	2.37	5.90	4.90	5.30	5.75	48.40
1908	5.39	5.88	3.40	3.25	3.75	1.65	3.50	2 23	2.25	5.65	1.69	5.95	44.59
1909	7.10	6.07	5.85	5.11	4.28	1.15	2.66	1.53	8.35	1.81	5.77	2.03	51.71
1910	3.30	5.40	3.10	5.17	1.75	4.15	1.00	2.65	1.12	1.01	2.00	4.25	34.90
1911	4.55	4.14	4 35	1.70	T	3.51	4.41	1.90	5.15	2.10	6.65	4.30	42.76
1912	5.75	4.60	5.95	3.70	8.75	1.18	4.50	3.93	3.88	4.95	5.73	6.47	59.39
1913	4.13	3.35	7.85	2.64	3.56	0.10	3.38	1.88	2.15	9.54	1.00	4.70	44.28
Av.	5.02	4.11	5.16	3.33	3.46	3.15	3.34	3.25	3.59	4.52	4.97	4.62	48.52

RAINFALL AT BELFAST, ME. Elevation, 165 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	...	...	...	...	...	3.33	4.16	3.32	1.55	2.97	3 02	5.10	...
1892	5.65	2.61	2.77	0.93	2.71	4.50	1.62	5.38	2.70	1.26	4.86	1.70	36.69
1893	3.99	4.84	2.05	3.21	5.29	2.73	2.99	3.82	4.35	4.48	2.46	7.45	47.66
1894	4.37	3.65	1.58	1.63	5.86	1.98	4.46	4.72	4.61	5.56	2.52	3.83	44.77
1895	6.53	1.15	3.06	4.03	2.05	3.19	1.94	1.96	1.43	1.82	7.29	4.63	39.08
1896	0.98	5.01	7.30	1.18	3 03	2.21	5.19	5.02	10.32	3.25	4.25	1.40	49.14
1897	3.98	2.32	4.65	2.90	5.02	3.08	3.19	3.92	2.09	0.90	5.75	3.50	41.30
1898	5.81	11 35	2.48	4.67	1.28	4.69	1 38	2.31	3.17	8.35	5.59	2.96	54.04

RAINFALL AT BELFAST, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	3.73	2.76	5.86	1.79	2.25	2.09	4.73	0.50	4.80	3.03	2.94	2.90	37.38
1900	5.68	8.19	7.31	2.26	7.18	4.34	**1.76**	**2.33**	3.05	5.04	5.41	1.68	54.23
1901	4.51	2.16	7.80	6.49	2.09	0.88	3.10	3.64	2.50	3.53	3.11	9.74	49.55
1902	3.37	2.59	12.70	3.09	1.85	6.38	1.52	4.62	1.84	5.05	1.34	4.90	49.16
1903	4.96	5.13	8.94	1.45	0.53	3.51	4.12	2.69	0.84	3.99	2.46	4.26	42.88
1904	4.86	1.84	3.14	5.06	6.51	1.03	1.23	4.66	6.30	2.91	**2.32**	**2.95**	42.81
Av.	4.50	4.12	5.36	2.97	3.51	3.12	2.86	3.51	3.69	3.78	3.87	3.99	45.28

RAINFALL AT BRIDGTON, ME. Elevation, 450 feet.
(North Bridgton.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	1.64	2.24	2.51	1.88	6.40	2.61	2.90	3.59	5.90	4.65	**2.66**	**2.99**	39.97
1895	1.92	1.08	1.73	6.86	2.74	3.49	2.74	2.98	2.41	2.91	6.58	5.79	41.23
1896	0.97	8.12	10.70	1.90	2.88	2.09	3.54	3.72	6.26	3.12	5.08	1.67	50.05
1897	4.59	3.17	4.74	2.93	5.47	6.00	13.25	3.35	2.76	1.14	5.79	4.76	57.95
1898	5.76	7.26	1.11	3.53	2.39	4.19	5.42	2.46	3.09	4.33	6.10	3.19	48.83
1899	3.38	3.98	6.58	1.81	0.80	2.42	5.35	1.86	3.95	1.56	2.46	2.18	36.33
1900	6.44	9.06	6.55	0.96	3.93	1.64	2.95	2.16	3.27	4.22	6.70	1.42	49.30
1901	**3.11**	1.70	4.80	7.60	7.56	3.91	5.13	5.46	2.55	3.24	2.14	5.75	52.95
1902	4.36	2.55	8.21	4.67	3.98	5.50	2.66	4.21	4.11	5.72	1.78	6.27	54.02
1903	4.20	4.02	5.62	2.02	0.54	6.38	3.45	2.88	2.16	4.04	1.02	3.36	39.69
1904	4.58	2.46	3.47	5.90	4.31	2.87	2.96	5.91	4.25	1.70	1.33	1.67	41.41
1905	4.67	1.66	2.06	1.65	2.16	5.50	5.97	2.53	7.02	1.56	3.16	2.95	40.89
1906	2.77	1.52	3.87	2.36	4.66	6.13	5.82	1.79	0.83	5.18	3.36	4.32	42.61
1907	1.90	1.89	3.68	3.80	2.21	4.28	2.95	2.10	6.49	4.49	4.74	3.67	42.20
1908	2.43	3.65	2.20	2.58	4.51	1.00	5.34	3.55	0.81	2.40	1.46	3.27	33.20
1909	6.12	5.79	3.78	3.68	3.55	2.42	2.00	1.51	6.13	1.34	2.71	2.95	41.98
1910	3.77	4.48	1.65	4.92	3.20	3.28	1.35	5.72	4.15	3.13	2.51	3.63	41.79
1911	2.75	2.56	4.31	0.91	1.35	2.88	3.89	2.82	3.63	2.82	3.21	2.97	34.10
1912	3.12	2.41	5.13	2.90	5.17	1.20	2.95	3.55	3.82	3.81	3.84	2.62	40.52
1913	3.23	2.31	4.23	2.31	4.71	1.40	2.03	2.47	4.16	5.69	2.78	2.96	38.28
Av.	3.58	3.59	4.35	3.26	3.63	3.46	4.13	3.23	3.89	3.35	3.47	3.42	43.36

RAINFALL AT BRUNSWICK, ME. Elevation, 70 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1808	...	...	...	3.03	6.85	4.51	4.69	5.69	3.43	4.12	3.58	7.34	....
1809	3.20	2.15	2.90	0.05	2.93	3.60	5.45	2.48	5.31	2.15	7.18	4.91	42.31
1810	0.20	0.30	5.40	2.20	2.09	2.78	2.99	3.58	1.38	1.40	4.57	1.20	28.09
1811	0.50	4.50	...	...	4.30	2.00	4.00	3.61	0.51	2.61	7.72	1.30	....
1812	1.95	3.00	0.90	4.91	4.50	6.72	5.02	3.69	1.00	4.58	2.84	1.60	40.71
1813	2.90	2.15	5.08	2.80	2.74	2.98	3.28	2.14	0.67	6.08	6.07	0.55	37.44
1814	0.60	1.50	2.50	4.93	11.40	3.60	3.45	7.31	5.07	0.54	3.95	3.35	48.20
1815	2.37	1.85	1.16	2.76	1.80	4.75	1.49	3.02	**2.51**	1.22	1.62	2.35	26.90
1816	3.24	2.41	0.63	1.20	4.15	1.41	1.60	2.13	0.30	5.99	5.49	**0.70**	29.25
1817	5.75	4.10	1.95	1.94	0.52	5.09	2.16	3.35	**4.09**	2.55	4.70	4.15	40.35
1818	4.40	1.40	3.60	1.20	5.80	1.37	2.98	0.16	5.07	0.00	0.20	0.20	26.38
1819	...	1.80	5.00	2.20	...	...	...	...	...	...	0.30	...	....
1820	...	...	0.30	...	...	...	...	...	...	...	0.90	1.05	....
1821	0.50	2.10	1.60	0.60	...	...	...	...	...	...	...	3.10	....
1822	0.40	1.70	...	...	...	...	...	...	...	...	...	0.60	....

RAINFALL AT BRUNSWICK, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1823	1.90	3.70	3.80	0.60	...	...	...	...	...	...	...	2.80	....
1838	...	...	...	...	...	...	...	...	...	...	...	0.90	....
1839	2.45	4.90	6.08	6.19	4.06	4.32	8.43	7.04	2.18	1.02	4.10	3.42	54.19
1840	0.91	2.25	1.81	6.00	2.10	2.83	1.70	5.82	2.34	1.71	4.45	4.20	36.12
1841	4.20	1.40	4.40	9.15	3.27	1.85	1.80	0.52	7.60	2.00	3.99	8.00	48.18
1842	3.82	5.69	5.48	3.75	2.64	3.00	5.21	5.73	4.88	0.71	6.04	8.03	54.98
1843	4.15	7.28	7.75	9.02	3.83	3.92	3.26	12.21	0.88	7.30	5.23	2.10	66.93
1844	3.85	0.80	7.98	0.28	5.13	2.83	2.06	4.24	2.93	7.58	4.76	7.88	50.32
1845	8.06	3.57	3.13	2.66	6.53	2.26	8.67	4.41	3.85	4.86	17.75	9.89	75.64
1846	5.54	1.80	11.28	2.09	1.88	2.67	4.58	2.05	1.40	1.95	3.85	4.37	43.46
1847	5.95	5.60	2.40	5.07	3.14	6.64	2.75	6.63	5.49	4.77	5.78	6.95	61.17
1848	5.93	2.24	6.12	1.53	10.03	3.75	4.20	3.33	6.34	7.67	3.48	4.75	59.37
1849	1.85	1.40	4.15	3.50	2.70	3.62	1.72	7.82	2.40	3.40	3.65	3.10	39.31
1850	3.43	1.73	3.38	5.00	17.57	4.99	2.72	4.37	2.93	4.74	2.62	3.96	57.44
1851	3.89	2.74	0.80	6.01	2.37	4.80	4.78	0.97	2.11	9.34	5.89	3.67	47.37
1852	3.06	6.90	3.69	7.83	1.20	3.15	2.97	6.03	2.90	3.23	7.23	7.08	55.27
1853	...	...	...	...	...	...	...	...	...	...	...	...	....
1854	2.75	4.87	2.70	0.65	8.86	5.66	3.45	0.28	2.53	1.30	10.19	2.90	46.14
1855	5.68	0.50	0.50	2.75	2.78	4.57	4.37	4.80	1.40	9.73	3.40	4.10	44.58
1856	2.50	0.50	1.30	1.72	3.40	2.05	3.07	6.32	2.55	3.59	2.05	3.73	32.78
1857	3.10	2.60	4.90	5.29	3.43	3.45	2.40	5.78	0.70	5.05	2.08	4.10	42.88
1858	4.30	2.08	1.80	3.67	5.52	1.95	6.41	7.76	3.79	3.09	3.32	1.85	45.54
1859	3.60	2.10	8.15	2.70	3.59	7.35	1.35	2.12	5.89	1.75	4.45	5.39	48.44
Av.	3.57	2.75	3.86	3.68	4.48	3.72	3.60	4.35	3.12	3.77	4.86	4.09	45.85

RAINFALL AT CALAIS, ME. Elevation, 120 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1889	4.17	**4.13**	3.59	3.02	1.81	3.33	3.24	2.87	1.93	4.72	**4.60**	4.33	41.74
1890	3.95	4.41	6.19	2.01	8.63	3.21	2.59	7.90	5.24	2.27	2.27	5.79	54.46
1891	9.52	3.91	4.39	2.95	2.82	3.72	3.50	3.45	3.53	5.78	3.88	3.74	51.19
1892	5.30	5.20	6.40	1.56	2.02	5.77	2.07	4.64	1.71	2.22	6.75	1.63	45.27
1893	3.49	3.22	1.35	2.20	2.61	1.82	3.54	3.84	3.23	3.97	2.21	7.73	39.21
1894	3.04	1.55	2.18	1.32	2.14	2.52	2.24	2.88	3.13	5.07	3.53	3.83	33.43
1895	5.68	1.40	2.52	4.23	2.51	1.75	2.75	2.60	1.16	3.66	**7.29**	**4.63**	40.18
1896	**0.98**	**5.01**	**7.30**	**1.18**	**3.03**	**2.21**	**5.19**	**5.02**	5.69	4.09	4.16	2.39	46.25
1897	4.74	1.63	4.65	3.86	5.53	3.45	4.75	4.71	2.49	0.44	6.35	2.93	45.53
1898	5.42	8.25	2.29	4.56	1.69	4.48	1.14	2.98	3.19	7.72	6.82	2.41	50.95
1899	1.75	3.62	5.23	0.62	3.89	3.10	4.23	0.78	2.87	2.57	3.85	3.48	35.99
1900	5.59	7.85	5.65	3.84	8.11	4 30	2.31	1.49	3.21	10.87	5.61	2.05	60.88
1901	5.30	1.80	5.29	7.85	2.02	3.55	1.11	4.45	2.72	3.23	2.31	8.07	47.70
Av.	4.53	4.00	4.39	3.02	3.60	3.32	2.97	3.66	3.08	4.36	4.59	4.08	45.60

RAINFALL AT CORNISH, ME. Elevation, 778 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1857	2.40	5.12	4.90	9.45	6.25	0.85	3.41	7.17	0.25	9.71	2.22	2.41	54.14
1858	**4.02**	1.65	2.95	3.34	3.69	3.78	8.01	2.75	4.19	5.76	3.16	1.30	44.60
1859	4.10	2.75	10.05	3.24	2.38	6.75	2.00	3.19	3.82	2.03	4.30	4.50	49.11
1860	1.65	3.32	3.01	1.85	1.80	5.20	4.00	6.86	3.10	4.90	8.70	3.17	47.56
1861	4.94	2.95	5.15	4.15	4.30	2.20	3.80	1.60	3.40	6.50	4.35	2.10	45.44
1862	4.25	3.80	3.55	2.80	1.95	4.60	6.00	2.75	0.90	3.55	5.15	0.85	40.15
1863	1.40	2.37	2.25	5.40	1.56	1.50	7.30	4.70	2.50	3.60	4.90	5.50	42.98

RAINFALL AT CORNISH, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1864	3.25	1.75	5.87	5.30	2.20	0.80	0.60	8.30	3.70	3.80	6.50	4.70	46.77
1865	3.33	3.00	5.20	3.82	5.20	2.20	2.30	4.90	1.70	4.45	3.70	4.85	44.65
1866	1.45	5.70	5.30	1.60	3.10	4.20	3.54	5.06	5.18	2.84	3.30	3.73	45.00
1867	2.50	3.08	4.11	4.41	4.09	1.49	4.10	9.00	1.36	4.05	3.44	2.75	44.38
1868	4.11	1.16	2.25	2.59	9.15	3.11	2.09	2.12	8.79	1.20	6.55	2.52	45.64
1869	2.20	3.75	4.94	1.81	4.69	2.98	4.23	2.29	3.35	12.34	2.95	4.64	50.17
1870	5.31	3.30	5.15	6.88	1.55	3.97	2.71	3.55	1.31	4.35	5.12	2.63	45.83
1871	3.43	3.01	4.10	4.33	4.37	2.00	5.05	6.63	1.70	4.45	5.02	2.80	46.89
1872	1.95	1.70	3.05	1.08	2.66	5.37	4.12	5.86	2.71	2.80	4.75	4.11	40.16
1873	4.85	2.50	3.92	3.12	1.43	1.06	6.88	0.99	4.53	8.53	4.29	2.53	44.63
1874	4.21	4.43	1.52	3.40	3.61	4.04	5.10	4.23	2.14	1.53	2.08	1.95	38.24
1875	3.60	3.00	4.46	2.46	2.65	5.84	5.32	5.75	3.51	7.36	4.20	1.01	49.16
1876	2.64	4.26	7.82	2.76	2 84	3.80	4.44	0.16	4.28	2.09	3.21	3.21	41.51
1877	1.56	0.68	6.78	2.67	2.42	3.32	4.14	7.55	0.92	6.21	8.98	1.30	46 53
1878	2.74	2.45	2.59	4.75	1.05	4.92	2.47	4.02	3.15	5.24	5.58	9.04	48.00
1879	2.34	3.50	2.14	3.49	0.62	5.55	3.45	5.27	4.27	1.88	3.72	4.53	40.76
1880	3.43	3.08	1.82	2.88	1.37	1.46	2.45	3.13	3.37	4.52	3.08	2.86	33.45
1881	3.60	3.82	4.86	1.26	3.95	2.32	4.91	1.54	3.01	2.57	2.87	6.15	40.86
1882	4.15	5.02	3.66	1.67	3.85	3.86	4.34	1.99	7.74	1.64	1.20	2.90	42.02
1883	2.74	3.70	2.20	2.26	6.01	3.39	6.25	1.05	2.45	3.99	2.78	3.26	40.08
1884	2.82	7.13	5.31	4.36	5.45	1.88	6.37	4.56	1.39	3.71	3.90	5.42	52.30
1885	4.15	4 10	2.00	3.36	2.96	5.23	6.64	6.08	2.00	3.85	5.88	3.35	49.60
1886	7.17	5.80	2.65	3.08	3.66	2.19	3.80	5.08	4.89	5.10	5.48	4.56	53.46
1887	4.34	4.98	3.55	3.41	2.13	4.32	6.25	3.52	0.67	2.19	5.30	4.43	45.09
1888	4.45	4.98	5.66	2.75	4.10	1.61	1.74	4.48	7.97	6.67	6.63	2.80	53.84
1889	5.10	3.00	3.19	2 34	2.31	3.08	4.47	2.54	4.16	4.41	5.24	3.13	42.97
1890	3.45	4.43	5.24	2.26	5.58	5.76	4.12	9.08	6.14	2.66	2.79	4.03	55.54
1891	4.93	4.53	6.79	2.58	2.87	2.95	5.54	3.70	2.44	4.58	2.77	4.87	48.55
1892	5.09	2.45	1.85	1.14	5.44	5.59	2.64	11.12	2.76	2.14	6.18	1.38	47.78
1893	2.79	7.27	2.09	3.04	8.20	3.16	1.44	3.95	2.77	6.76	2.54	3.52	47.53
1894	2.35	2.51	2.01	3.27	7.44	2.49	4.70	4.74	5.31	5.22	2.73	3.00	45.77
1895	2.47	1.40	2.86	7.46	1.96	3.53	4.14	3.10	1.91	3.29	8 99	5 08	46 19
1896	1.50	9.49	10.98	1.15	3.64	2.68	3.45	5.02	7.04	5.51	4.89	1.71	57.06
1897	4.01	3.23	3.32	3.65	7.04	8.76	7.27	4.90	3.15	0.77	6.48	5.26	57.84
1898	5.48	4.76	1.38	4.53	3.54	3.28	1.46	3.17	3.69	5.20	5.48	2.55	44.52
1899	2.86	3.30	6.23	0.98	1.08	3.77	5.87	1.95	5.38	2.84	2.39	2.05	38.70
1900	6.94	10.26	10.80	2.17	3.34	2.45	2 38	3.65	2.98	4.96	7.79	3.39	61.11
1901	3.03	1.26	5.70	11.52	8.40	1.79	6.25	9.00	3.06	3.47	2.00	7.52	63.00
1902	4.18	2.61	8.10	6.56	3.05	4.92	3.24	8.36	6.68	6.80	1.70	7.06	63.26
1903	4.58	4.50	6.84	2.81	0.27	8.83	3.69	3.28	1 27	4.21	1.63	3.19	45.10
1904	3.39	2 14	3.95	7.67	5.71	2.94	2.24	5.12	5.10	1.41	1.24	1.66	42.57
1905	5.53	1.51	2.65	1.97	2.15	4.12	9.11	4.26	7.46	1.38	4.48	4.21	48 83
1906	2.93	1.76	3.67	1.91	5.14	7.95	5.02	1.92	0.90	4.32	2.57	4.15	42.24
1907	3.04	2.45	3.03	3.19	2.05	4.25	2.85	2.06	7.51	4.06	6.04	3.27	43.80
1908	2.85	4.67	1.90	2.95	5.47	0.65	2.66	2 62	1.54	3.41	1.47	3.63	33.82
1909	5.08	5.79	4.38	3 92	4.03	2.56	3.13	2.34	5.54	1.17	2.06	3.65	43.65
1910	4.25	5.19	1.76	4.90	1.68	3.39	1.64	3.53	3.40	2 04	2.62	3.42	37.82
1911	2.94	3.46	4.29	1.16	1.00	3 04	3.84	3.13	5.34	2.99	3.78	3.34	38.31
1912	3.32	2.17	5.75	2 63	5.30	0.77	4 06	3.54	2.66	3.62	3.82	4.09	41.73
1913	2.84	2.45	6.20	2.83	4.21	0.93	2.12	1.91	3.63	7.67	3.48	3.76	42.03
Av.	3.58	3.67	4.35	3.48	3.65	3.50	4.12	4.28	3.61	4.18	4.18	3.59	46.19

RAINFALL AT DANFORTH, ME: Elevation, 390 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	2.94	3.92	5.05	2.55	0.65	3.72	4.10	2.46	1.42	3.62	3.59	3.16	37.18
1904	2.95	2.89	3.48	2.86	4.31	1.76	2.56	3.02	6.23	2.66	2.35	1.51	36.58
1905	5.75	2.43	1.01	1.40	2.23	1.80	3.48	0.53	3.75	1.00	3.66	3.55	30.59
1906	3.95	2.22	4.94	4.88	2.40	2.57	2.21	2.79	1.41	4.73	5.56	3.32	40.98
1907	2.77	5.12	2.87	3.05	1.76	3.59	4.27	4.04	4.13	3.88	3.48	3.06	42.02
1908	2.91	5.02	2.32	2.60	4.11	1.60	2.93	4.10	1.28	6.81	1.49	2.57	37.74
1909	5.98	4.12	4.23	4.20	1.58	3.30	2.02	1.95	7.10	2.14	3.92	2.34	42.88
1910	2.91	2.48	0.35	1.85	2.40	3.57	3.55	1.93	1.80	1.62	3.28	1.35	27.09
Av.	3.77	3.52	3.03	2.92	2.43	2.74	3.14	2.60	3.39	3.31	3.42	2.61	36.88

RAINFALL AT EASTPORT, ME. Elevation, 53 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1833	3.60	1.00	2.50	4.30	4.70	4.60	3.70	6.65	1.40	5.20	2.80	2.55	43.00
1834	1.70	0.90	2.00	2.00	4.30	3.40	1.70	5.00	3.00	7.20	3.50	2.50	37.20
1871	2.00	1.52	1.32	2.38	2.58	2.16	2.88	5.68	2.96	5.96	2.14	1.96	33.54
1872	3.30	1.46	4.64	1.14	7.76	5.98	4.52	5.94	6.06	7.22	6.92	3.66	58.60
1873	3.84	2.82	3.20	4.40	2.42	3.13	4.46	2.40	4.37	7.38	5.32	1.36	45.10
1874	2.70	2.36	3.02	3.09	4.71	6.82	3.27	5.13	3.67	1.73	4.12	1.94	42.56
1875	0.89	3.93	1.39	1.80	2.90	5.86	6.61	4.29	5.21	7.50	3.93	1.11	45.42
1876	2.94	7.70	9.39	3.10	3.42	2.09	2.82	2.62	6.53	4.28	7.97	5.13	57.99
1877	3.42	1.34	8.83	5.47	2.60	2.19	3.36	5.85	1.73	4.67	8.20	2.96	50.62
1878	7.05	1.89	6.07	5.54	2.49	5.65	5.87	3.74	2.54	3.28	2.97	4.28	51.37
1879	1.65	3.39	3.77	3.95	3.18	3.42	5.57	3.66	3.42	3.28	4.52	3.67	43.48
1880	4.29	3.99	4.08	2.97	2.55	1.64	3.45	1.48	4.28	5.11	5.07	3.53	42.44
1881	1.64	4.11	6.78	1.66	13.22	4.47	3.73	3.64	2.80	4.31	3.37	6.25	55.98
1882	3.70	4.94	7.54	3.03	3.30	6.53	4.80	1.41	4.77	2.89	1.47	2.80	47.18
1883	3.20	3.63	3.61	2.25	6.60	5.23	9.07	0.49	2.49	8.41	3.76	4.43	53.17
1884	4.37	9.38	3.74	6.83	6.79	2.18	8.48	4.41	1.89	1.88	5.95	8.63	64.53
1885	3.86	2.95	5.94	5.35	4.79	4.64	1.99	4.26	3.64	5.96	4.78	5.90	54.06
1886	9.01	3.25	2.28	1.14	3.49	0.66	1.73	2.41	2.73	**5.80**	**5.76**	6.51	44.77
1887	7.78	3.74	4.46	2.92	2.57	6.01	4.51	3.56	1.05	2.45	2.32	5.59	46.96
1888	5.08	4.81	4.26	2.01	2.74	1.94	3.46	4.50	5.44	7.95	6.70	4.36	53.25
1889	3.44	4.13	4.06	3.19	2.20	2.85	3.69	2.00	2.52	5.02	4.60	4.56	42.26
1890	3.76	4.58	5.85	1.95	6.19	2.77	1.97	5.35	4.86	2.28	2.84	2.62	45.02
1891	5.50	3.13	2.75	1.37	1.64	3.00	2.61	4.06	2.65	4.43	2.31	2.99	36.44
1892	5.76	1.88	3.60	1.51	2.17	3.54	1.21	4.64	1.21	1.49	3.17	2.02	32.20
1893	2.08	3.26	1.35	1.94	1.91	1.85	2.61	4.04	1.93	1.83	0.99	6.08	29.87
1894	2.00	1.28	1.19	2.11	1.69	3.37	1.21	1.32	1.46	2.42	2 62	2.17	22.84
1895	2.70	1.93	2.90	2.29	1.29	1.46	3.17	4.83	2.00	1.15	6.41	2.75	32.88
1896	0.84	2.77	2.72	0.86	1.00	2.71	4.24	1 07	3.67	6.27	3.69	1.70	31.54
1897	3.14	1.45	4.03	3.35	7.88	3.32	2.78	2.79	1.82	0.61	5.79	2.61	39.57
1898	5.41	6.37	2.65	3.80	2.14	3.09	0.66	2.15	2.93	6.85	6.12	2.99	45.16
1899	3.86	3.35	5.48	0.89	3.92	2.58	4.78	0 53	2.03	1.92	3.68	3.42	36 44
1900	5.27	4.51	4.97	2.47	5.18	4.00	1.37	2.58	1 52	8.26	4.40	2.82	47.35
1901	4.80	1.65	4.88	5.58	3.29	5.45	0.91	2.48	2.92	1.72	1.91	6.02	41.61
1902	3.41	3.06	9.11	2.16	3.85	2.51	1.05	3.23	2.43	3.36	1.47	5.77	41.41
1903	3.85	4.01	4.98	3.33	2.52	1.69	3.85	1.14	1.62	2.83	3.59	3.26	36.67
1904	3.04	3.97	4.95	3.36	2.23	1.29	2.10	6.10	5.36	2.54	1.54	2.41	38.89
1905	4.14	2.77	1.10	0.83	2.64	3.03	2.62	1.76	4.32	0.47	4.29	3.91	31.88

RAINFALL AT EASTPORT, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	3.36	2.30	6.32	3.51	5.63	1.46	2.01	1.79	0.78	3.64	3.56	5.13	39.49
1907	5.05	4.59	3.17	4.54	1.84	1.57	4.32	2.43	4.41	4.71	2.85	4.94	44.42
1908	4.17	3.71	3.96	2.64	2.58	1.01	1.95	3.32	1.60	4.09	1.52	5.01	35.56
1909	7.05	4.76	5.10	3.86	1.56	1.59	3.37	1.61	6.40	2.54	3.62	1.64	43.10
1910	3.80	4.52	1.98	3.42	1.55	2.72	1.92	1.44	1.84	1.85	2.14	3.68	30.86
1911	2.98	2.47	3.68	2.55	0.13	5.07	3.50	2.53	2.67	1.57	3.83	2.80	33.78
1912	4.37	2.16	3.76	3.06	3.93	1.35	2.25	3.76	1.67	3.05	2.86	5.83	38.05
1913	4.01	2.66	6.43	2.23	4.02	0.71	2.68	2.24	1.69	5.70	0.90	3.14	36.41
Av.	3.86	3.34	4.22	2.93	3.56	3.17	3.31	3.25	3.03	4.07	3.83	3.76	42.33

RAINFALL AT FAIRFIELD, ME. Elevation, 90 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	...	3.65	1.76	1.36	3.04	1.04	1.71	2.06	4.76	1.83	5.08	2.26	....
1887	2.39	2.62	2.05	3.64	0.41	2.84	8.77	2.98	1.11	1.93	3.48	3.44	35.66
1888	1.91	3.27	3.84	1.07	3.18	1.72	3.60	3.56	6.75	5.44	4.49	3.11	41.94
1889	2.91	2.12	3.09	1.06	2.54	4.25	3.11	1.74	1.95	3.57	5.13	4.26	35.73
1890	2.55	3.31	4.61	1.71	7.79	2.97	3.81	3.57	3.85	3.45	2.06	3.39	43.07
1891	6.12	2.23	4.75	1.97	2.26	2.03	4.63	4.00	2.06	1.38	2.14	4.56	38.13
1892	3.38	2.28	1.82	0.80	2.67	5.79	1.78	5.58	3.27	1.37	3.16	1.10	33.00
1893	1.62	2.77	2.49	2.13	3.42	0.99	2.27	2.90	2.12	4.89	0.86	2.36	28.82
1894	2.43	1.03	0.86	0.72	3.78	2.97	2.56	3.50	3.82	2.41	2.02	1.82	27.92
1895	2.23	0.34	1.58	3.50	1.83	1.96	3.08	2.59	1.11	1.58	5.47	3.77	29.04
1896	0.31	2.95	5.62	1.28	2.33	1.91	3.21	3.83	5.10	2.00	2.35	1.17	32.06
1897	3.31	1.00	2.63	2.40	4.47	3.39	3.52	2.82	2.54	0.53	3.98	3.06	33.65
1898	5.07	6.48	1.45	2.31	1.55	3.32	1.13	3.71	2.37	4.33	3.71	1.42	36.85
1899	2.76	2.73	3.66	1.05	2.05	1.39	5.13	0.46	3.58	1.11	2.32	1.93	28.17
1900	5.89	7.00	4.75	1.63	5.18	4.08	3.40	1.76	2.55	4.05	4.55	2.19	47.03
1901	2.74	1.95	5.22	3.96	2.35	1.64	2.99	3.39	3.79	2.77	2.19	7.98	40.97
1902	2.25	1.54	7.76	2.41	2.54	4.04	2.22	4.06	1.86	4.01	1.03	4.68	38.40
1903	3.94	3.39	6.35	1.95	0.37	3.56	**4.53**	**3.37**	**1.01**	**3.31**	1.06	2.70	35.54
1904	3.21	1.65	3.78	5.75	4.75	2.32	2.69	4.39	5.58	2.05	1.61	1.44	39.22
1905	3.78	0.99	0.88	2.15	2.22	3.49	3.65	1.43	2.45	0.38	3.80	3.19	28.41
1906	2.59	2.52	3.27	3.69	3.55	3.29	5.32	4.78	1.55	5.38	2.63	3.55	42.12
1907	3.19	2.65	1.43	3.49	2.62	2.95	5.36	1.32	5.23	2.34	3.66	2.68	36.92
1908	1.61	3.68	1.77	1.93	4.52	2.17	2.41	3.05	0.56	3.64	1.15	2.07	28.56
1909	5.91	3.94	2.73	3.05	2.43	2.34	1.77	1.17	5.16	1.14	3.19	1.48	34.31
1910	2.19	2.95	1.71	2.37	1.77	1.99	2.26	4.46	2.04	1.10	1.53	2.90	27.27
1911	1.98	2.19	4.03	0.58	1.34	2.21	2.75	2.38	2.28	1.68	2.81	3.12	27.35
1912	4.43	2.74	3.88	1.90	5.27	0.47	3.35	5.27	2.00	3.00	2.59	3.69	38.59
1913	2.47	2.92	3.29	**2.62**	2.53	0.21	1.51	2.50	2.81	5.18	0.65	3.01	29.70
Av.	3.08	2.71	3.31	2.26	2.95	2.60	3.36	3.13	2.91	2.74	2.73	2.97	34.75

RAINFALL AT FARMINGTON, ME. Elevation, 450 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	6.54	2.13	8.28	1.97	1.94	3.93	3.42	4.03	1.45	1.68	2.69	5.64	43.70
1892	5.45	2.33	2.33	0.85	3.75	6.26	3.29	5.09	4.16	1.49	4.44	1.39	40.83
1893	2.66	3.81	2.69	2.34	6.95	2.78	1.60	3.76	3.02	5.72	2.99	3.39	41.71
1894	1.64	2.22	1.52	1.43	5.14	3.20	1.92	2.61	5.73	5.02	2.97	2.76	36.16
1895	4.05	0.95	1.88	5.65	3.06	3.38	1.05	5.93	1.92	1.99	5.76	6.25	41.87

RAINFALL AT FARMINGTON, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	0.80	5.58	10.83	2.66	2.96	2.49	3.75	3.97	4.62	3.88	4.22	1.15	46.91
1897	5.45	3.09	4.85	3.19	3.75	4.32	8.11	3.93	2.98	0.95	5.01	4.98	50.61
1898	5.18	6.85	0.55	2.71	1.79	4.34	2.80	3.27	2.82	4.63	4.40	1.44	40.78
1899	2.57	2.60	5.79	0.92	1.97	2.41	5.07	1.91	3.26	1.43	2.60	2.71	33.24
1900	6.19	10.76	7.04	1.74	5.12	5.51	4.88	2.30	4.82	4.23	8.50	1.77	62.86
1901	3.27	1.04	4.54	6.88	3.95	3.47	4.22	3.45	2.25	3.03	2.10	8.97	47.17
1902	3.06	2.32	8.43	3.67	5.16	5.28	1.93	3.34	3.60	4.68	1.19	4.31	46.97
1903	3.61	2.81	5.67	2.47	0.59	5.70	4.27	1.14	1.17	3.08	1.24	4.19	35.94
1904	3.52	0.72	3.13	6.36	5.72	1.03	4.97	4.58	4.44	2.09	1.83	1.76	40.15
1905	3.79	0.70	1.41	2.12	2.65	3.60	4.07	3.10	5.27	1.24	2.58	2.69	33.22
1906	2.29	1.89	4.30	2.06	3.67	5.41	6.38	2.42	0.65	4.84	2.94	3.17	40.02
1907	2.34	1.96	2.88	4.05	2.57	2.88	4.59	2.09	5.97	6.15	4.50	3.30	43.28
1908	2.84	4.44	2.82	2.38	5.88	2.05	2.82	4.87	1.48	2.59	1.63	3.10	36.90
1909	5.79	6.32	3.92	3.94	3.23	1.90	2.05	2.60	7.74	1.54	3.82	3.02	45.87
1910	3.48	2.97	1.41	4.38	2.16	3.15	3.10	3.94	2.30	1.19	2.31	2.74	33.13
1911	1.96	2.06	5.54	1.03	1.20	4.72	2.68	3.90	3.22	3.08	3.40	3.07	35.86
1912	4.24	2.79	3.81	2.91	6.52	1.03	2.03	5.80	3.53	4.61	4.62	2.65	44.54
1913	2.54	1.17	5.11	2.30	3.46	0.79	2.90	3.09	6.00	6.59	2.31	3.02	39.28
Av.	3.62	3.11	4.29	2.96	3.62	3.46	3.56	3.53	3.58	3.29	3.39	3.37	41.78

RAINFALL AT FORT PREBLE, ME. Elevation, 53 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	2.58	2.23	4.10	2.88	3.47	2.00	2.70	4.50	2.36	5.07	5.57	2.60	40.06
1872	1.69	1.20	2.10	1.32	2.74	4.88	2.58	8.20	2.46	2.94	4.81	3.91	38.83
1873	4.46	1.62	3.54	3.37	3.30	1.26	1.80	2.38	1.41	**6.15**	3.09	1.72	34.10
1874	2.80	2.52	1.10	3.38	4.00	1.82	4.47	3.14	3.29	0.80	3.17	**0.97**	31.46
1875	1.96	2.73	2.76	1.62	2.27	6.15	2.05	2.41	4.98	5.71	2.82	1.55	37.01
1876	2.68	5.58	4.76	1.18	2.36	1.44	3.65	0.24	5.16	1.98	2.89	1.82	33.74
1877	5.22	0.59	4.95	2.57	0.90	3.23	2.76	5.70	0.78	5.30	7.01	0.82	39.83
1878	4.32	3.84	2.15	5.62	0.48	3.72	0.78	2.88	1.30	3.56	4.82	3.74	37.21
1879	**2.30**	1.70	2.40	**3.68**	0.26	5.56	4.42	4.18	1.76	1.34	**4.90**	0.72	33.22
1880	0.66	2.26	1.18	2.14	1.20	3.84	1.92	2.04	2.18	4.36	4.08	1.52	27.38
Av.	2.87	2.43	2.90	2.77	2.10	3.39	2.71	3.57	2.57	3.72	4.31	1.94	35.28

RAINFALL AT GARDINER, ME. Elevation, 163 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1837	5.00	3.10	1.43	3.48	3.25	3.85	1.24	2.35	0.44	2.91	3.59	1.81	32.45
1838	1.62	2.09	1.43	1.76	3.29	4.61	1.10	2.02	4.24	3.97	3.38	0.68	30.19
1839	2.45	2.10	2.66	3.87	5.04	4.45	5.26	5.21	2.27	0.41	4.22	3.10	41.04
1840	1.77	2.29	4.14	4.14	4.22	4.20	1.72	3.72	1.54	6.02	3.88	3.52	41.16
1841	5.72	1.12	3.24	5.29	3.58	3.17	1.58	1.08	3.83	1.46	3.37	5.09	38.53
1842	2.88	4.49	3.26	2.51	1.83	3.05	3.08	2.35	3.06	1.61	3.33	5.67	37.12
1843	2.54	5.67	5.50	5.52	3.50	3.96	1.76	4.80	1.17	5.28	3.58	2.71	45.99
1844	3.95	1.68	4.82	0.65	3.01	1.79	1.47	3.03	2.36	5.72	3.93	5.91	38.32
1845	5.85	2.25	2.96	2.59	2.68	1.95	6.55	2.40	3.20	2.89	10.56	4.82	48.70
1846	2.66	1.29	6.27	1.59	4.83	2.77	2.62	3.83	1.00	2.09	3.42	2.95	35.32
1847	5.11	3.67	1.62	2.90	2.69	6.32	3.34	3.95	3.32	4.06	3.64	4.28	44.90
1848	3.84	2.53	2.84	1.22	8.64	1.88	6.29	4.32	5.76	4.59	2.38	4.56	48.85

RAINFALL AT GARDINER, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1849	0.92	1.50	2.80	3.47	5.18	2.59	1.69	6.11	2.81	5.85	2.67	3.97	39.56
1850	3.09	2.96	2.29	2.98	11.76	5.44	3.04	4.31	3.70	5.29	2.41	4.10	51.37
1851	4.66	4.45	1.88	3.74	3.16	3.42	5.56	2.36	2.76	8.43	6.30	4.05	50.77
1852	2.36	3.89	2.22	6.13	0.36	3.89	2.80	5.87	3.51	4.38	6.33	4.92	46.66
1853	1.49	9.47	1.94	1.14	7.16	0.95	4.10	3.34	5.17	4.45	6.47	4.46	50.14
1854	2.78	4.35	4.73	5.62	5.28	5.05	4.95	1.41	5.03	3.25	8.12	3.16	53.73
1855	7.17	1.80	1.10	4.57	1.93	5.98	2.42	3.09	1.76	13.15	3.18	5.01	51.16
1856	2.25	1.95	0.90	2.46	4.52	2.06	2.49	7.49	3.82	3.20	2.14	4.70	37.98
1857	4.22	2.46	4.03	5.30	4.74	3.59	2.33	5.51	1.24	4.97	3.63	4.19	46.21
1858	3.11	2.33	3.16	4.44	3.02	2.51	6.43	7.26	3.74	5.06	2.91	2.87	46.84
1859	4.42	2.15	10.06	2.51	3.00	6.35	1.77	2.79	2.48	1.08	4.75	6.54	47.90
1860	1.04	3.30	2.14	1.32	0.87	2.36	1.97	4.70	3.63	3.81	5.36	3.26	33.76
1861	2.94	3.26	5.47	4.35	4.40	1.27	4.14	1.37	1.85	5.47	3.16	2.17	39.85
1862	4.20	3.60	3.49	2.75	1.92	3.81	2.41	1.94	3.18	5.21	4.33	2.56	39.40
1863	4.42	3.75	4.23	3.98	2.56	1.73	6.46	4.39	4.34	4.74	7.30	4.35	52.25
1864	3.51	2.07	4.58	2.46	3.94	0.90	0.59	6.12	4.32	2.76	5.77	4.03	41.05
1865	3.10	2.85	5.39	4.43	5.05	2.68	4.61	1.46	0.84	4.75	3.24	3.23	41.63
1866	1.63	5.24	5.47	1.91	4.97	3.50	3.01	5.50	5.66	2.59	3.18	3.00	45.66
1867	2.62	4.36	5.76	4.96	5.27	1.96	3.94	8.49	0.98	4.60	2.85	1.89	47.68
1868	2.86	1.87	2.38	2.28	9.59	3.20	1.87	1.06	8.24	0.98	6.76	2.04	43.13
1869	1.96	6.75	4.00	3.05	4.50	5.50	1.51	1.17	3.37	12.67	3.10	4.74	52.32
1870	6.12	5.93	3.22	4.78	1.90	1.94	2.43	1.99	1.33	6.39	4.19	2.82	43.04
1871	2.11	1.56	5.37	3.38	3.92	1.58	4.58	4.93	1.84	7.58	4.90	3.28	45.03
1872	1.86	1.84	3.03	1.85	2.58	3.88	3.10	6.98	4.73	3.42	5.82	3.57	42.66
1873	4.63	2.09	3.94	2.97	2.38	1.26	3.56	1.59	3.88	6.01	3.63	2.03	37.97
1874	4.39	3.33	1.96	4.63	3.14	3.86	5.57	6.21	2.76	1.72	2.99	1.54	42.10
1875	2.94	3.72	3.70	3.92	2.90	5.87	2.22	6.66	4.89	5.06	3.67	0.83	46.38
1876	3.03	5.88	7.96	2.69	3.62	2.95	6.16	0.20	4.63	2.59	4.13	3.45	47.29
1877	1.69	0.55	7.91	3.01	1.61	1.16	2.22	5.28	1.42	5.27	8.24	1.24	39.60
1878	3.57	2.73	3.13	5.84	1.49	3.69	1.08	4.43	2.39	7.82	4.60	7.55	48.32
1879	2.88	3.08	4.21	3.39	1.50	5.83	5.27	5.21	4.05	2.05	4.70	4.19	46.36
1880	4.10	3.61	2.68	3.29	2.39	1.53	3.94	2.18	4.06	4.39	4.86	2.96	39.99
1881	3.73	5.84	5.31	1.56	5.89	3.09	3.76	2.36	3.00	2.65	3.26	6.56	47.01
1882	3.56	4.96	5.04	2.65	4.74	4.25	2.60	0.34	7.00	2.02	1.14	3.53	41.83
1883	2.50	2.89	2.24	3.46	5.02	4.86	3.49	0.32	3.11	4.48	2.84	3.67	38.88
1884	5.40	7.29	5.40	6.53	4.00	1.22	5.17	4.22	2.11	3.14	3.29	5.05	52.82
1885	5.26	6.44	2.18	2.50	3.41	5.06	1.73	3.21	1.98	3.94	2.86	2.60	41.17
1886	6.61	7.25	3.90	1.43	3.76	1.84	1.94	2.82	3.68	3.67	5.97	4.68	47.55
1887	7.32	5.62	7.27	6.81	1.08	3.42	6.97	3.42	1.05	2.44	3.64	5.61	54.65
1888	5.03	5.90	5.09	2.27	2.48	2.59	2.20	4.33	7.12	6.71	5.98	4.20	53.90
1889	5.20	1.84	2.76	2.38	2.54	4.18	2.96	1.60	2.55	4.59	5.44	5.51	41.55
1890	3.18	3.78	4.52	1.51	7.84	3.61	**4.21**	**3.23**	**5.01**	**6.15**	**2.10**	**5.32**	50.46
1891	**7.91**	**4.10**	**6.26**	**2.39**	**3.04**	**3.21**	**5.03**	**2.06**	**1.47**	**2.81**	**2.52**	**4.72**	45.52
1892	**4.87**	**2.20**	**2.35**	**1.05**	**4.52**	**5.91**	**2.93**	**8.13**	**3.69**	**1.73**	4.52	1.12	43.02
1893	2.70	4.79	3.18	2.51	4.66	2.44	1.12	3.27	3.23	5.90	1.83	5.13	40.76
1894	3.30	1.99	1.39	1.86	5.84	1.18	2.30	3.08	3.81	4.25	2.21	2.80	34.01
1895	2.50	1.64	2.48	4.83	1.50	2.01	4.55	3.28	1.21	1.82	6.85	4.40	37.07
1896	0.87	5.25	7.19	2.02	2.80	1.94	3.18	2.88	7.60	2.64	4.12	1.52	42.01
1897	4.51	2.13	4.30	2.86	5.94	4.32	3.15	2.66	3.11	0.92	5.99	3.83	43.72
1898	5.54	5.45	1.76	3.44	1.60	3.56	0.98	3.73	2.90	6.23	4.57	2.74	42.50

RAINFALL AT GARDINER, ME.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	3.41	3.10	5.56	1.19	1.87	2.43	5.48	1.08	3.90	1.85	2.42	2.61	34.90
1900	7.19	8.96	7.23	2.50	5.42	1.34	1.87	2.77	2.45	4.47	5.28	1.64	51.12
1901	3.78	1.76	6.25	6.43	3.97	1.36	4.26	5.54	2.08	4.18	2.41	9.43	51.45
1902	2.67	1.70	10.33	3.71	2.01	4.52	2.07	4.46	3.22	4.90	1.21	5.35	46.15
1903	4.54	3.63	6.65	1.42	0.45	5.12	4.77	2.90	1.34	3.82	1.63	3.56	39.83
1904	4.12	2.24	3.71	7.10	3.95	1.29	1.25	4.53	5.09	2.02	2.39	2.28	39.97
1905	4.85	1.32	0.94	2.10	2.17	4.83	4.52	2.03	4.09	0.78	3.95	3.12	34.70
1906	2.95	1.98	4.86	3.74	4.52	4.89	6.40	1.21	0.94	5.73	3.95	3.41	44.58
1907	3.12	2.50	2.09	3.70	2.48	3.10	2.77	1.51	7.38	4.15	4.97	3.75	41.52
1908	2.65	4.58	2.17	2.20	4.29	1.03	4.38	2.36	0.92	4.16	1.40	3.28	33.42
1909	5.66	4.95	3.97	3.81	2.55	2.90	2.19	1.59	6.39	1.88	3.88	2.02	41.79
1910	3.22	4.30	1.98	4.45	2.03	2.26	1.83	4.53	2.58	2.26	2.70	2.97	35.11
1911	2.73	2.51	4.60	0.78	1.10	3.57	5.43	2.59	4.85	2.35	3.76	2.19	36.46
1912	4.89	2.40	5.41	3.36	6.11	1.03	2.38	2.99	3.42	4.17	4.64	3.65	44.45
1913	2.97	2.09	5.32	2.60	3.51	1.10	1.62	3.19	4.85	7.14	1.93	4.17	40.49
Av.	3.69	3.48	4.01	3.25	3.69	3.17	3.29	3.49	3.35	4.16	4.03	3.69	43.30

RAINFALL AT GREENVILLE, ME. Elevation, 1 000 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1905	...	...	...	1.91	3.22	3.99	2.52	1.43	2.82	0.86	2.51	1.22	....
1906	1.20	1.23	**4.20**	2.20	4.72	3.43	6.28	**2.57**	2.73	5.80	1.85	3.75	39.96
1907	0.98	1.30	2.56	3.78	2.54	6.90	5.81	2.68	5.64	**4.63**	**4.76**	3.12	44.70
1908	2.63	4.93	2.95	2.14	5.50	2.83	5.18	7.96	1.90	2.08	1.92	2.59	42.61
1909	4.51	4.80	4.76	4.22	2.72	3.60	3.34	3.00	10.12	1.73	4.57	2.59	49.96
1910	3.43	3.51	2.18	2.51	4.65	5.31	4.18	3.69	2.77	2.13	3.21	2.64	40.21
1911	2.91	2.68	4.95	1.24	0.40	3.85	4.04	4.06	3.89	2.63	3.86	4.27	38.78
1912	4.53	2.98	3.04	2.87	6.32	1.91	3.45	5.38	4.89	4.42	4.17	2.14	46.10
1913	2.15	1.52	5.29	2.54	3.01	1.82	5.01	2.80	4.30	7.64	2.98	4.10	43.16
Av.	2.79	2.87	3.74	2.69	3.73	3.71	4.66	4.02	4.53	3.88	3.41	3.15	43.18

RAINFALL AT HOULTON, ME. Elevation, 362 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	3.14	2.68	5.49	2.50	0.30	2.45	2.78	1.55	1.15	2.40	2.62	2.00	29.06
1904	4.60	2.35	2.60	2.80	3.65	2.52	2.58	3.00	6.70	3.40	2.20	1.44	37.84
1905	3.55	1.60	0.70	1.25	2.00	1.50	1.45	0.12	1.80	1.00	2.25	2.40	19.62
1906	2.70	2.10	3.20	3.20	2.00	1.40	2.55	1.50	1.20	**7.34**	1.20	**2.48**	30.87
1907	1.90	1.50	1.70	1.75	1.00	4.20	**3.08**	3.22	5.00	3.10	2.10	2.00	30.55
1908	1.89	4.75	2.51	2.25	2.20	2.00	1.30	3.57	0.49	1.35	1.07	1.50	24.88
1909	3.64	3.70	2.95	4.09	**1.79**	3.20	2.15	1.65	6.14	1.25	2.34	2.05	34.95
1910	0.95	2.00	1.40	2.66	3.75	2.50	2.17	1.07	0.85	1.65	1.42	0.87	21.29
1911	1.25	0.85	1.65	0.95	0.03	1.95	2.11	2.80	3.85	1.80	2.65	1.85	21.74
1912	1.60	2.10	3.21	1.95	3.20	3.20	3.45	8.40	1.50	4.36	0.95	2.30	36.22
1913	0.85	1.00	4.30	0.85	1.83	1.21	1.64	1.70	2.10	5.73	1.26	2.70	25.17
Av.	2.37	2.24	2.70	2.20	1.98	2.38	2.30	2.60	2.80	3.03	1.82	1.96	28.38

RAINFALL AT KINEO, ME. Elevation, 1 100 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	2.11	1.35	1.22	2.03	2.58	3.26	4.07	4.90	1.45	0.87	5.47	2.99	32.30
1896	0.37	2.51	4.49	2.24	2.46	2.47	4.02	2.00	3.27	3.61	1.95	0.90	30.29
1897	2.82	1.95	2.43	3.27	3.96	2.59	8.37	3.11	2.62	1.52	2.69	2.25	37.58
1898	4.24	6.90	0.82	2.22	...	...	0.90	3.30	4.50	...	...	...	....
1899	...	...	...	...	3.20	3.94	7.37	...	...	...	...	...	....
1900	5.17	3.47	3.90	...	3.49	3.24	5.21	1.51	2.55	...	...	...	....
1901	2.65	1.80	1.45	4.85	0.75	6.55	1.95	2.55	0.94	2.26	2.70	7.40	35.85
1902	2.15	3.60	4.73	2.65	4.67	6.15	4.03	3.01	5.46	...	0.81	2.01	....
1903	2.36	...	4.99	...	...	2.79	...	...	...	...	...	...	....
Av.	1.99	1.90	2.40	3.10	2.44	3.72	4.60	3.14	2.07	2.06	3.20	3.38	34.00

RAINFALL AT LEWISTON, ME. Elevation, 185 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1875	3.35	5.30	5.40	5.00	2.90	6.32	2.65	5.45	4.98	6.82	6.80	1.31	56.28
1876	4.25	5.80	12.31	3.49	3.85	4.15	6.03	0.85	5.91	1.90	4.18	4.50	57.22
1877	2.43	0.90	8.05	3.26	2 36	2.45	2.75	8.35	1.84	6.95	12.13	1.55	53.02
1878	4.47	2.20	3.80	5.78	1.42	6.26	2.25	3.66	4.39	8.12	5.49	10.77	58.61
1879	3.15	4.15	3.30	3.36	0.75	5.71	3.76	5.87	2.78	1.73	4.25	3.45	42.26
1880	3.72	3.40	2.20	2.55	1.79	1.54	2.93	2.02	4.28	4.60	4.68	3.10	36.81
1881	3.33	3.95	5.22	1.68	5.03	2.61	4.22	3.33	1.84	2.89	2.73	7.14	43.97
1882	3.76	5.81	4.41	2.34	5.15	3.19	2.69	0.99	7.38	1.32	1.65	2.93	41.62
1883	2.57	3.49	1.73	2.96	4.82	4.26	3.98	0.91	3.25	4.08	3.06	4.07	39.18
1884	4.89	6.87	5.40	5.97	4.36	1.49	5.66	3.18	1.36	2.43	3.65	5.54	50.80
1885	4.21	4.12	1.96	2.85	4.12	5.85	3.79	2.97	2.31	4.09	3.65	3.40	43.32
1886	6.59	7.45	2.56	1.71	3.23	1.26	2.16	3.09	3.09	4.80	4.80	5.05	45.79
1887	3.99	5.28	4.60	5.18	1.14	2.81	5.73	3.77	0.88	2.42	5.09	5.73	46.62
1888	5.98	5.09	5.11	2.87	3.48	3.34	3.62	4.13	7.73	6.04	5.77	3.25	56.41
1889	4.67	3.21	3.30	2.48	2.85	4.12	5.22	2.68	2.92	4.61	6.25	5.00	47.31
1890	3.00	4.14	5.88	2.17	7.51	3.71	4.83	3.47	5.13	5.47	1.89	5.55	52.75
1891	8.10	3.89	7.03	2.89	2.60	3.64	5.27	2.97	1.00	2.40	2.66	5.27	47.72
1892	5.52	2.21	2.43	1.05	4.62	7.22	3.18	8.11	4.48	1.81	4.54	1.49	46.66
1893	2.82	5.59	2.78	2.58	8.26	2.51	1.32	3.55	2.69	6.08	2.31	4.87	45.36
1894	2.93	2.26	1.99	2.44	6.55	1.74	1.46	2.55	4.48	5.62	2.59	2.98	37.59
1895	3.41	0.63	2.10	5.64	1.85	2.59	2.22	2.54	1.15	2.11	7.21	5.07	36.52
1896	1.04	5.82	10.10	1.63	2.37	2.58	3.08	2.98	6.73	3.58	3.79	1.45	45.15
1897	5.17	2.55	4.49	2.93	5.25	3.71	6.63	3.79	3.43	0.95	5.92	4.65	49.47
1898	5.93	7.07	1.40	3.48	2.03	4.85	2.35	2.21	3.04	4.34	4.44	2.85	43.99
1899	3.19	3.06	5.96	1.48	1.14	2.04	4.43	1.16	3.65	1.97	2.63	2.03	32.74
1900	6.85	8.69	8.01	1.92	4.04	1.69	2.02	3.69	2.48	4.42	4.95	2.13	50.89
1901	3.19	1.15	5.14	8.16	5.77	1.12	4.25	4.75	1.75	3.33	2.20	7.59	48.40
1902	3.04	3.01	8.96	4.37	2.67	5.21	2.02	3.52	3.70	5.07	1.45	5.26	48.28
1903	4.48	4.15	6.32	2.11	0.35	5.30	3.90	2.53	1.44	3.53	1.58	4.13	39.82
1904	4.26	2.32	3.71	6.74	4.34	2.64	2.39	4.29	3.82	1.88	2.63	1.93	40.95
1905	4.42	1.80	1.48	1.54	2.04	4.12	4.58	1.79	5.51	1.01	3.70	3.65	35.64
1906	3.15	1.59	4.51	2.93	4.21	7.42	5.44	0.80	0.85	4.97	3.26	3.94	43.07
1907	2.45	2.29	3.05	3.71	2.11	4.79	2.63	2.56	7.03	3.56	4.25	3.58	42.01
1908	2.82	4.68	2.18	2.64	4.94	0.90	3.66	2.73	0.80	5.01	1.61	4.16	36.13
1909	6.75	5.59	4.14	3.59	2.75	2.29	2.47	1.25	6.14	1.84	2.79	2.99	42.59
1910	3.44	4.24	1.90	4.16	1.94	2.62	2.40	4.81	2.68	1.69	2.18	3.14	35.20
1911	2.75	2.69	5.04	1.00	0.56	3.88	5.64	2.34	3.88	2.38	3.42	3.14	36.72
1912	4.45	2.83	5.26	2.86	5.00	0.79	3.03	2.96	3.45	3.47	4.24	3.82	42.16
1913	3.67	2.40	5.51	2.28	4.22	1.20	1.53	2.27	4.02	6.26	2.14	4.43	39.93
Av.	4.06	3.89	4.58	3.23	3.45	3.43	3.54	3.20	3.55	3.73	3.91	4.02	44.59

RAINFALL AT MADISON, ME. Elevation, 257 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	3.23	2.25	1.70	1.45	4.75	6.00	2.12	3.28	4.81	5.30	...	...	....
1902	3.91	3.88	11.04	3.62	5.49	7.45	2.29	5.93	3.70	6.61	1.42	4.63	59.97
1903	4.34	3.98	6.32	1.94	0.23	3.72	5.37	2.30	0.76	2.40	1.17	1.43	33.96
1904	2.28	1.71	2.79	7.63	6.63	3.36	6.10	7.38	6.34	2.98	1.23	1.55	49.98
1905	4.08	1.61	2.13	2.59	3.73	4.65	5.75	2.23	5.61	1.13	4.60	3.45	41.56
1906	4.04	2.99	4.83	4.27	5.12	5.72	4.58	2.02	1.09	6.14	3.02	5.21	49.03
1907	2.38	2.45	1.84	6.32	2.83	3.89	7.34	2.54	7.49	6.31	6.28	4.35	54.02
1908	2.75	4.52	2.48	2.56	6.59	1.63	3.91	5.18	1.40	3.51	1.53	2.47	38.53
1909	6.57	5.59	3.80	3.91	2.75	2.36	2.25	2.68	10.04	1.66	4.07	2.65	48.33
1910	4.13	2.69	1.91	4.38	2.71	3.57	4.01	3.69	2.95	1.51	2.87	2.99	37.41
1911	2.28	1.77	5.71	0.93	0.59	5.33	4.91	7.01	3.86	3.44	3.67	3.24	42.74
1912	5.27	3.15	4.82	3.45	6.26	1.38	2.83	6.96	3.73	5.90	5.17	3.25	52.17
1913	3.36	1.69	5.27	2.74	4.29	1.40	3.09	4.81	4.85	8.64	3.20	4.01	47.35
Av.	3.78	3.00	4.41	3.69	3.94	3.70	4.37	4.39	4.32	4.19	3.19	3.27	46.25

RAINFALL AT MAYFIELD, ME. Elevation, 1 000 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	...	...	...	...	...	9.03	2.91	3.70	2.79	3.50	3.40	3.09	....
1886	8.06	4.12	2.85	1.40	3.76	1.26	2.58	3.74	3.93	2.33	6.82	...	....
1887	...	...	...	5.91	2.08	4.01	6.53	3.35	1.41	2.74	4.27	...	....
1888	...	...	...	1.42	3.17	2.27	3.48	6.88	5.90	7.93	6.90	3.25	....
1889	...	...	...	2.09	3.66	5.70	4.98	3.35	6.52	5.83	5.39	...	....
1890	...	...	...	2.42	10.29	3.97	3.45	6.40	5.85	3.45	2.01	...	....
1891	...	...	...	3.75	2.37	3.34	5.11	4.78	1.58	1.56	2.91	...	....
1892	4.80	2.14	2.89	...	...	8.36	2.73	9.19	5.63	1.60	5.14	0.95	....
1893	2.47	1.83	2.36	1.86	5.65	2.69	3.27	5.20	4.21	7.37	3.49	3.02	43.42
1894	3.15	1.61	1.31	1.17	4.83	6.45	2.65	2.05	5.71	6.41	2.48	2.27	40.09
1895	2.31	1.08	1.25	6.21	3.83	3.03	4.44	3.86	2.09	2.25	7.63	5.84	43.82
1896	0.94	3.58	7.20	2.34	3.02	3.13	6.07	4.90	5.31	4.77	5.11	1.24	47.61
1897	3.99	2.07	3.92	4.56	5.04	3.41	8.04	4.07	3.01	1.43	5.12	3.43	48.09
1898	4.22	7.99	0.96	2.26	1.88	2.94	1.52	4.43	3.57	5.79	6.02	1.14	42.72
1899	2.50	4.00	4.87	0.99	3.02	2.04	4.79	1.05	3.33	1.71	2.19	3.05	33.54
1900	6.27	7.39	5.65	1.57	5.84	3.31	4.48	1.25	3.26	2.99	7.43	1.10	50.54
1901	2.60	1.20	5.55	6.33	2.26	2.94	5.40	5.25	2.63	3.43	2.44	8.63	48.66
1902	3.21	3.60	9.50	4.16	3.40	7.39	2.95	6.36	4.33	5.83	1.65	4.12	56.50
1903	5.48	3.27	5.33	1.56	0.58	6.54	5.27	3.03	0.85	3.12	1.61	3.06	39.70
1904	3.07	1.81	2.76	3.42	6.86	3.17	4.41	5.32	5.73	2.42	1.58	1.47	42.02
1905	4.25	1.11	1.00	2.17	3.29	3.39	4.39	1.86	4.40	0.96	2.87	2.69	32.38
1906	2.69	2.01	5.24	2.70	3.90	4.61	4.66	4.13	2.23	5.54	3.61	3.38	44.70
1907	1.40	1.72	1.86	4.04	2.40	4.64	4.75	3.18	5.67	6.11	5 35	5.42	46.54
1908	3.64	...	...	...	...	...	...	...	...	...	...	...	....
Av.	3.24	2.95	3.92	3.02	3.72	3.98	4.47	3.73	3.76	4.01	3.99	3.32	44.02

RAINFALL AT MILLINOCKET, ME. Elevation, 386 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	6.45	9.41	6.24	1.63	6.41	3.96	6.53	1.73	2.02	6.11	3.77	0.91	55.17
1901	2.53	0.59	5.12	5.63	0.95	3.03	1.78	4.59	1.85	3.68	2.55	8.75	41.05
1902	3.97	0.86	6.47	1.95	2.47	5.82	2.50	3.63	4.15	5.09	1.88	5.23	44.02
1903	3.34	3.30	6.39	1.96	0.72	2.07	4.25	2.48	2.82	2.72	2.64	3.64	36.33
1904	3.35	1.89	3.86	2.82	4.38	2.16	4.96	4.06	6.46	3.21	2.20	1.89	41.24
1905	5.45	1.25	0.77	2.05	2.91	2.41	2.92	2.08	3.47	1.49	4.29	3.57	32.66
1906	3.09	3.45	6.29	3.69	3.57	2.96	3.24	1.90	3.16	7.10	4.21	3.35	46.01
1907	3.24	1.95	2.16	3.60	2.50	7.33	4.70	4.04	5.31	4.14	3.75	3.32	46.04
1908	2.52	3.82	2.65	1.93	5.16	2.10	2.35	5.01	2.46	3.30	1.88	3.32	36.50
1909	5.24	5.36	4.24	4.64	3.05	2.91	3.09	3.07	9.70	1.80	4.92	2.07	50.09
1910	4.05	3.56	1.66	4.27	2.97	4.37	3.72	2.39	2.61	2.21	2.86	2.96	37.63
1911	2.87	1.96	4.26	1.08	0.51	5.06	4.56	3.90	2.73	1.77	4.36	4.29	37.35
1912	2.36	3.69	1.98	2.34	7.12	2.49	2.27	6.94	3.55	6.75	6.34	2.74	48.57
1913	3.40	2.65	4.84	1.67	2.87	1.04	3.49	3.24	3.79	6.77	1.62	4.03	39.41
Av.	3.70	3.12	4.07	2.80	3.26	3.41	3.60	3.50	3.86	4.01	3.38	3.58	42.29

RAINFALL AT ORONO, ME. Elevation, 129 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1869	2.54	4.26	3.36	2.39	2.95	...	1.62	1.91	3.67	9.57	3.36	...	...
1870	5.61	4.30	2.11	3.55	1.96	2.07	1.78	3.21	2.23	5.53	5.61	3.04	41.00
1871	2.60	2.53	4.11	3.91	3.48	2.58	2.13	3.85	1.10	7.50	3.58	4.16	41.53
1872	2.18	1.70	5.23	1.93	3.92	4.47	2.68	6.23	3.55	6.01	7.06	3.66	48.62
1873	4.09	2.97	4.70	2.59	1.96	1.32	3.26	1.81	4.74	6.56	5.05	1.74	40.79
1874	4.57	5.50	3.40	3.76	4.74	4.93	2.10	5.39	4.37	1.14	3.06	1.98	44.94
1875	2.00	3.80	4.45	3.85	3.31	4.85	2.11	2.32	5.10	4.75	3.87	1.51	41.92
1876	3.92	8.39	8.20	1.65	3.73	2.56	5.80	0.91	4.28	3.91	4.35	4.67	52.37
1877	3.29	1.20	5.67	3.18	1.94	1.98	1.64	5.28	1.11	4.78	7.95	2.15	40.17
1878	5.08	2.41	2.73	3.46	2.14	5.42	4.77	3.00	2.00	4.73	4.91	7.92	48.57
1879	3.28	3.56	3.40	3.51	1.80	4.73	5.79	5.66	4.93	3.49	2.98	3.60	46.73
1880	2.83	2.83	2.86	4.15	2.17	0.73	3.32	1.54	3.84	4.15	3.52	1.90	33.84
1881	2.08	3.35	3.64	1.28	4.85	3.38	2.72	5.89	2.35	3.57	2.81	6.88	42.80
1882	4.19	3.96	5.20	2.05	4.52	4.44	3.10	1.64	6.44	1.09	1.78	2.85	41.26
1883	2.44	2.34	1.89	3.80	5.10	3.66	6.90	0.53	2.23	4.97	3.75	2.99	40.60
1884	4.44	6.85	4.37	3.38	5.42	1.37	2.38	3.12	2.19	2.70	3.99	4.74	44.95
1885	4.73	4.45	2.78	2.34	3.38	4.60	4.70	7.36	2.52	5.12	5.37	5.64	52.99
1886	6.64	5.42	2.87	1.80	4.67	2.74	1.05	2.27	4.11	1.42	8.67	6.38	48.04
1887	7.56	5.89	5.88	5.08	1.25	3.36	7.11	4.60	0.95	3.00	3.48	4.72	52.88
1888	4.97	6.11	6.48	1.78	2.82	3.65	2.47	4.59	6.97	7.51	6.43	4.96	58.74
1889	5.37	5.20	4.62	1.93	1.86	4.93	3.23	1.65	2.21	4.04	4.50	3.40	42.94
1890	3.33	4.52	5.81	2.02	10.52	3.84	3.84	4.55	4.47	3.36	2.67	4.10	53.03
1891	7.66	2.93	5.20	3.26	2.83	3.20	3.56	4.67	3.68	2.85	2.78	4.76	47.38
1892	**4.93**	**2.26**	**2.73**	**1.08**	**2.52**	**4.61**	**1.54**	6.41	3.91	1.75	4.47	2.26	38.47
1893	0.85	5.75	1.45	2.18	2.55	2.69	3.25	3.90	6.02	3.34	1.43	4.21	37.62
1894	3.01	1.73	1.23	1.18	3.84	2.90	2.41	2.01	3.40	4.33	**2.39**	1.75	30.18
1895	**3.82**	0.83	2.39	3.81	2.13	1.35	2.85	2.14	1.05	1.51	3.61	**3.72**	29.21
1896	**0.71**	2.20	6.95	**1.11**	**2.12**	**2.28**	2.58	4.26	8.00	3.75	4.23	1.30	39.49
1897	3.03	2.38	3.96	3.03	4.49	3.71	2.02	5.09	2.65	1.01	5.04	3.58	39.99
1898	6.32	8.05	2.23	4.95	1.02	5.28	2.44	3.14	2.29	6.19	6.84	1.27	50.02

RAINFALL AT ORONO, ME. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	2.75	2.27	4.76	0.66	4.12	4.10	4.49	T	3.20	2.92	2.01	3.09	34.37
1900	8.14	6.75	5.47	2.01	8.24	3.83	2.53	1.58	2.94	5.70	4.59	2.02	53.80
1901	4.33	1.95	5.45	5.12	2.07	1.79	2.75	3.76	4.22	4.12	2.54	7.94	46.04
1902	3.65	1.80	8.89	2.94	2.77	6.03	1.81	4.96	1.94	5.04	1.76	4.77	46.36
1903	3.62	3.48	6.22	1.71	0.73	2.09	6.49	2.22	1.21	3.44	2.79	3.14	37.14
1904	3.63	2.57	3.18	2.31	4.26	2.17	2.43	4.46	6.47	3.10	1.62	2.00	38.20
1905	4.28	2.20	0.83	2.22	3.47	3.13	2.19	2.13	3.19	0.78	4.08	3.51	32.01
1906	3.11	2.27	4.34	3.65	5.44	2.86	2.47	1.69	1.51	4.90	3.52	3.37	39.13
1907	4.01	3.01	2.25	3.53	1.77	5.77	3.44	1.41	6.12	2.71	4.22	3.84	42.08
1908	3.36	4.23	2.90	2.37	4.59	1.35	2.85	4.69	0.81	6.03	1.39	2.94	37.51
1909	5.87	5.32	5.23	4.42	2.21	2.11	2.37	1.82	9.09	2.43	4.14	1.98	46.99
1910	3.57	3.42	1.91	2.76	1.42	2.70	2.43	3.72	2.79	2.56	1.52	2.88	31.68
1911	3.21	2.78	3.97	1.18	0.75	4.60	4.45	2.94	3.05	1.94	3.28	3.91	36.06
1912	2.87	2.50	3.93	4.60	8.05	2.32	4.60	4.69	3.11	4.97	2.92	3.27	47.83
1913	2.80	2.06	4.42	3.57	3.15	1.38	5.86	3.15	4.42	7.35	3.39	2.87	44.42
Av.	3.97	3.64	4.10	2.83	3.41	3.27	3.29	3.41	3.56	3.91	3.86	3.58	42.83

RAINFALL AT OXFORD, ME. Elevation, 350 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1868	2.00	1.30	1.80	...	...	...	...	...	...	...	...	2.06	....
1869	**2.06**	5.75	2.97	3.75	4.75	4.47	2.10	0.57	4.40	15.10	4.45	4.25	54.62
1870	5.80	6.59	4.60	4.75	1.40	1.50	1.60	1.65	1.23	3.25	3.40	1.85	37.32
1871	2.40	2.10	5.00	4.20	4.70	1.85	5.25	5.50	1.55	5.80	5.40	3.39	47.14
1872	1.38	2.50	2.10	0.80	3.55	5.28	2.90	7.50	3.35	**3.09**	5.40	2.52	40.37
1873	4.20	2.41	4.59	2.96	2.05	0.80	3.55	1.55	3.78	10.13	3.05	2.05	41.12
1874	3.30	2.74	3.25	4.16	3.70	3.35	4.48	5.25	2.35	1.93	1.70	1.70	37.91
1875	3.31	3.45	4.24	...	...	...	...	...	...	...	...	...	....
Av.	3.14	3.68	3.75	3.44	3.36	2.87	3.31	3.67	2.78	6.55	3.90	2.63	43.08

RAINFALL AT PATTEN, ME. Elevation, 550 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	...	...	...	1.00	**3.52**	6.20	3.00	**3.80**	4.30	4.80	...	2.20	....
1903	1.60	**2.84**	3.02	**2.03**	0.12	2.29	4.03	2.64	0.69	2.58	2.42	3.40	27.66
1904	2.90	0.60	1.02	2.90	4.25	4.15	4.30	2.49	10.42	3.10	1.82	1.50	39.45
1905	4.20	0.90	0.90	2.50	2.15	5.25	2.00	0.06	3.96	1.38	3.30	2.00	28.60
1906	3.50	3.80	5.90	2.40	1.30	1.84	5.26	1.57	1.52	10.10	1.88	2.73	41.80
1907	1.00	2.40	1.40	1.50	2.05	10.04	4.21	5.00	6.04	5.70	5.30	4.00	48.64
1908	**2.52**	**3.82**	**2.65**	**1.93**	**5.16**	**2.10**	1.51	5.00	0.30	**3.30**	**1.88**	1.55	31.72
1909	5.80	4.75	4.16	5.14	1.79	2.50	6.42	3.91	9.71	2.38	4.19	1.95	52.70
1910	3.10	**3.34**	0.93	5.35	6.68	4.28	4.27	2.28	4.63	2.98	2.36	2.73	42.93
1911	3.13	1.47	3.65	1.02	2.58	4.46	3.73	4.55	6.75	1.54	4.02	3.10	40.00
1912	**2.36**	**3.69**	1.47	**2.34**	**7.12**	**2.49**	3.02	11.28	4.00	5.60	4.51	1.21	49.09
1913	3.40	2.60	3.14	**1.67**	3.64	1.64	4.00	4.29	1.65	7.18	0.20	2.14	35.55
Av.	3.04	2.75	2.57	2.62	3.35	3.73	3.89	3.91	4.51	4.17	2.90	2.39	39.83

RAINFALL AT PORTLAND, ME. Elevation, 99 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	**2.58**	**2.23**	1.69	3.41	3.71	2.20	2.80	5.88	2.08	6.55	6.37	3.00	42.50
1872	0.77	0.35	1.44	1.60	3.23	5.95	3.23	6.97	3.12	3.55	4.27	2.54	37.02
1873	4.42	0.93	2.87	2.79	2.80	1.60	3.52	2.63	4.03	6.15	3.36	1.80	36.90
1874	3.13	2.13	1.14	4.03	3.86	3.14	5.41	5.29	2.73	1.23	3.18	0.97	36.24
1875	2.58	2.85	3.63	3.16	2.62	5.51	1.81	2.70	3.49	3.53	2.64	1.62	36.14
1876	2.38	3.84	5.29	2.59	4.68	2.55	6.00	0.54	4.29	1.57	2.83	2.48	39.04
1877	2.65	0.60	5.91	2.26	2.24	3.43	2.81	7.90	1.11	5.56	7.84	1.20	43.51
1878	3.83	3.28	2.19	5.60	1.16	3.13	1.56	2.93	1.34	4.48	3.74	5.36	38.60
1879	2.30	3.80	4.42	3.68	0.88	6.61	3.80	3.73	2.67	1.43	4.90	3.39	41.61
1880	5.36	4.50	1.42	2.66	1.35	3.03	3.12	2.32	3.20	4.21	3.25	3.17	37.59
1881	4.30	5.30	5.09	1.43	5.64	3.99	3.94	1.42	2.75	2.90	3.13	6.79	46.68
1882	4.39	4.58	3.97	1.97	3.95	3.20	2.00	0.66	7.58	2.90	0.93	2.61	38.74
1883	2.53	2.81	1.58	1.33	2.91	2.94	5.05	0.36	2.68	3.51	3.66	2.63	31.99
1884	4.54	6.92	4.86	6.12	6.46	1.41	6.78	3.98	0.56	2.21	2.25	6.42	52.51
1885	3.02	3.68	1.59	2.09	1.91	4.06	5.63	5.91	1.37	4.32	3.43	2.94	39.95
1886	4.65	5.52	3.26	2.28	4.07	1.66	3.63	3.93	5.56	6.70	5.33	5.04	51.63
1887	3.89	5.73	4.15	4.96	1.93	4.07	4.70	6.56	0.70	2.47	4.74	5.17	49.07
1888	6.05	5.40	3.72	3.80	3.36	2.79	1.90	4.36	8.22	7.47	7.46	4.71	59.24
1889	3.47	2.74	2.68	2.39	2.65	3.26	3.10	2.76	2.49	3.47	7.95	4.96	41.92
1890	2.89	4.04	6.24	2.51	6.10	4.53	3.58	2.99	4.88	6.82	2.31	5.08	51.97
1891	7.72	4.31	5.48	1.89	3.47	2.77	4.78	1.15	1.94	3.22	2.38	4.17	43.28
1892	4.22	2.18	2.27	1.04	4.41	4.60	2.68	8.14	2.89	1.64	3.76	1.32	39.15
1893	2.19	4.51	3.58	3.71	7.59	3.62	0.96	2.74	2.33	5.13	1.83	5.42	43.61
1894	3.13	2.70	1.97	2.55	7.33	2.01	2.96	3.27	2.76	4.65	2.05	1.75	37.13
1895	2.47	0.94	3.37	5.95	1.59	1.97	3.59	4.72	1.79	1.91	7.18	3.80	38.78
1896	2.00	5.27	8.02	1.65	3.21	2.23	3.10	2.57	9.57	3.19	2.45	2.18	45.44
1897	4.09	2.60	4.55	2.60	5.87	4.97	2.62	1.41	2.34	0.46	6.69	4.22	42.42
1898	6.61	7.61	1.21	4.33	2.62	3.98	1.78	3.88	3.48	5.90	5.51	2.85	49.76
1899	3.39	3.41	6.49	1.55	0.73	1.04	3.92	1.66	4.47	1.46	3.11	2.84	34.07
1900	6.28	9.25	6.00	2.25	4.09	1.25	1.70	3.72	2.56	5.81	5.50	2.38	50.79
1901	3.34	1.68	6.43	7.47	7.17	0.93	4.21	3.26	2.18	3.12	1.89	7.14	48.82
1902	2.73	3.34	8.76	3.97	2.17	3.78	2.21	4.36	4.08	4.95	0.86	6.54	47.75
1903	4.90	3.44	5.60	2.51	0.68	5.53	2.50	1.85	2.06	3.57	1.44	3.46	37.54
1904	4.04	2.35	2.52	7.51	4.75	2.45	1.63	3.64	3.49	1.16	1.93	1.43	36.90
1905	5.16	1.78	1.97	1.43	2.58	3.08	3.65	2.78	5.35	0.95	4.45	5.44	38.62
1906	2.87	2.00	4.95	3.53	4.79	7.18	4.32	1.73	0.58	2.75	3.04	4.80	42.54
1907	2.46	2.95	2.58	2.75	1.99	3.55	3.63	2.07	7.81	2.53	4.40	4.12	40.84
1908	2.42	3.72	2.26	2.14	4.76	0.53	2.58	3.73	0.69	3.65	1.34	2.92	30.74
1909	4.71	5.07	2.76	3.13	2.95	2.33	2.14	1.68	4.68	1.50	2.83	2.06	35.84
1910	2.90	4.84	1.62	4.12	1.65	3.26	1.64	2.79	2.89	1.27	1.85	3.43	32.26
1911	2.58	5.02	5.60	2.25	1.37	2.74	4.71	2.56	2.84	1.85	3.51	4.49	39.52
1912	4.86	4.44	6.34	3.49	3.81	0.55	2.50	2.26	2.91	2.29	3.58	4.16	41.19
1913	2.47	2.70	5.35	2.02	2.92	0.59	2.27	2.99	3.46	5.72	1.20	4.29	35.98
Av.	3.66	3.66	3.88	3.13	3.44	3.12	3.27	3.32	3.30	3.48	3.63	3.64	41.53

RAINFALL AT RUMFORD FALLS, ME. Elevation, 505 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.40	1.85	1.57	1.20	5.55	3.20	5.15	4.20	4.35	3.95	4.25	2.70	40.37
1895	3.50	0.60	1.06	5.60	4.40	2.30	2.15	3.10	2.05	1.60	5.40	5.71	37.47
1896	1.10	6.65	10.00	1.65	2.75	1.75	2.90	3.45	4.40	3.20	3.70	0.95	42.50
1897	3.90	3.15	4.05	3.68	4.24	5.85	9.34	2.68	1.97	0.66	5.63	3.73	48.88
1898	5.57	8.49	1.08	2.87	2.65	5.20	2.85	4.99	3.96	4.52	5.00	2.15	49.33
1899	2.38	4.26	5.89	1.50	1.15	2.56	4.71	0.64	3.00	2.05	1.94	1.95	32.03
1900	5.80	7.96	5.82	1.21	4.57	3.35	4.35	2.42	2.31	3.91	7.22	1.15	50.07
1901	2.77	0.74	4.05	7.91	6.54	3.84	4.91	3.47	2.59	3.48	1.76	5.53	47.50
1902	1.76	2.19	3.12	3.31	5.32	4.45	2.31	3.86	3.88	4.14	1.47	4.60	40.41
1903	3.51	3.89	4.09	1.51	0.18	5.25	6.01	2.96	1.21	2.69	0.98	3.63	35.91
1904	2.88	1.41	2.51	5.72	3.89	2.42	2.34	4.10	4.75	2.76	1.43	1.51	35.72
1905	3.90	1.11	2.08	2.11	2.33	4.15	4.61	2.85	4.21	1.51	2.92	2.98	34.76
1906	2.01	1.68	2.79	1.69	4.22	5.07	6.83	3.47	1.01	4.79	2.68	3.39	39.63
1907	1.67	1.52	2.90	3.88	1.84	3.03	3.53	1.22	6.34	5.17	5.14	2.86	39.10
1908	2.84	4.08	1.95	1.73	5.90	1.42	2.30	3.62	1.26	1.96	1.48	2.38	30.92
1909	5.39	6.12	4.04	3.49	3.51	2.11	2.34	1.79	7.08	1.03	3.31	2.13	42.34
1910	3.88	2.68	1.78	4.68	2.83	2.97	2.22	3.51	2.94	1.36	2.28	2.31	33.44
1911	1.97	2.58	4.16	0.76	0.88	2.75	2.46	4.85	3.20	3.23	2.88	2.74	32.46
1912	2.88	2.70	3.19	2.44	5.51	1.10	2.22	4.89	3.88	4.28	3.70	2.54	39.33
1913	2.38	1.48	5.01	2.91	3.68	1.08	2.65	2.46	4.12	6.86	2.69	2.65	37.97
Av.	3.12	3.26	3.56	2.99	3.60	3.19	3.81	3.23	3.42	3.16	3.29	2.88	39.51

RAINFALL AT SONGO, ME. Elevation, 280 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	...	...	...	1.56	4.37	1.52	1.75	2.21	2.59	3.22	5.35	1.82	...
1901	2.51	0.82	3.82	8.05	7.12	1.65	4.11	5.35	2.04	3.30	2.04	7.44	48.25
1902	3.23	3.80	6.22	4.71	3.02	5.50	2.47	5.05	3.31	6.41	1.22	4.29	49.23
1903	4.23	4.11	6.34	1.86	0.47	5.97	4.27	3.09	1.06	3.41	1.65	3.87	40.33
1904	3.40	1.82	3.42	5.84	4.63	1.70	1.81	4.27	4.38	1.31	1.85	1.52	35.95
1905	4.64	1.11	2.29	1.49	1.85	3.84	5.36	2.05	5.91	1.13	3.24	3.43	36.34
1906	2.89	1.16	3.45	2.37	5.58	5.54	3.99	0.95	0.67	4.16	2.41	4.04	37.21
1907	1.74	2.25	2.83	3.15	1.98	2.99	2.23	1.91	6.52	3.67	4.54	2.86	36.67
1908	2.78	4.22	2.20	2.34	5.34	0.76	2.90	3.36	0.48	3.43	1.26	3.23	32.30
1909	5.63	4.87	3.95	4.18	3.23	2.20	2.62	2.17	4.83	1.78	2.53	3.02	41.01
1910	3.10	4.40	1.23	4.37	1.88	3.63	1.95	4.84	2.83	3.25	2.31	3.54	37.33
Av.	3.42	2.86	3.58	3.84	3.51	3.38	3.17	3.30	3.20	3.18	2.30	3.72	39.46

RAINFALL AT THE FORKS, ME. Elevation, 580 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	3.50	3.35	5.29	3.20	4.62	6.42	2.92	3.43	5.39	3.40	2.30	3.10	46.92
1903	2.30	3.63	4.42	1.35	0.61	4.36	4.58	3.24	0.91	1.60	1.73	2.97	31.70
1904	2.95	1.40	1.95	3.70	5.08	4.64	7.53	2.69	6.82	2.23	1.34	1.58	41.91
1905	3.39	1.11	1.30	1.68	3.58	4.33	3.37	1.86	3.47	1.24	2.90	2.40	30.63
1906	2.24	2.05	4.20	2.18	3.13	3.07	4.56	2.57	3.79	5.98	2.61	2.82	39.20
1907	1.78	2.15	2.96	5.23	2.42	4.21	8.08	2.62	5.75	4.63	4.76	2.02	46.61
1908	2.02	3.74	2.10	2.22	4.42	2.80	4.61	3.01	1.00	2.28	2.22	2.60	33.02
1909	4.36	4.04	3.85	4.65	3.14	2.22	3.50	3.35	7.56	3.05	4.34	2.05	46.11
Av.	2.82	2.68	3.26	3.03	3.37	4.01	4.89	2.85	4.34	3.05	2.77	2.44	39.51

RAINFALL AT VAN BUREN, ME. Elevation, 510 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	...	...	...	2.17	4.42	6.54	3.48	2.69	5.64	5.51	2.24	2.75	....
1903	2.70	3.81	4.65	2.25	1.56	2.03	4.71	3.05	1.12	2.57	2.05	2.51	33.01
1904	2.76	2.19	3.28	2.21	5.04	2.74	4.85	2.16	5.10	2.86	0.64	1.43	35.26
1905	1.42	1.61	0.78	1.08	3.26	3.27	2.54	0.15	2.20	1.14	1.60	2.60	21.65
1906	1.40	1.45	**2.80**	1.60	1.90	4.50	2.50	6.00	3.50	6.30	2.10	3.80	37.85
1907	2.80	1.80	3.20	2.30	0.90	6.20	5.90	4.40	3.70	2.87	3.00	4.70	41.77
1908	2.55	4.90	2.10	2.00	5.10	2.80	1.80	5.45	0.75	3.60	**1.94**	1.00	33.99
1909	2.80	2.60	1.00	3.00	1.00	3.30	5.60	9.10	...	...	...	...	....
1913	2.83	1.98	2.72	1.42	3.86	2.37	3.53	2.71	2.72	3.14	0.62	3.87	31.77
Av.	2.35	2.53	2.79	1.84	3.09	3.41	3.69	3.42	2.73	3.21	1.71	2.84	33.61

RAINFALL AT UPPER DAM, OXFORD COUNTY, ME. Elevation, 1 470 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	4.29	2.32	2.74	1.17	3.20	3.15	2.01	4.13	4.71	1.56	4.27	2.63	36.18
1887	3.92	3.37	1.96	3.53	2.01	4.46	5.43	3.33	1.26	1.96	3.10	3.67	38.00
1888	2.40	1.73	3.09	2.04	2.89	2.96	2.28	4.79	4.27	6.62	6.50	2.13	41.70
1889	2.48	0.77	2.68	0.63	3.79	3.23	3.17	2.50	5.30	3.62	0.86	1.67	30.70
1890	3.26	1.45	2.40	1.37	4.00	3.69	2.45	4.23	5.83	2.90	2.73	2.59	36.90
1891	3.80	3.26	6.36	1.76	2.65	1.49	3.02	3.47	1.35	1.85	2.51	5.67	37.19
1892	4.57	0.67	4.74	1.39	1.48	4.68	4.80	6.68	1.99	0.10	6.47	0.80	38.37
1893	1.35	3.06	1.24	2.80	3.78	4.10	2.95	3.08	3.14	2.97	1.46	3.07	33.00
1894	3.76	1.49	0.24	1.48	3.19	2.61	4.17	2.68	3.52	2.56	1.70	1.57	28.97
1895	3.77	0.29	1.18	2.92	4.64	2.48	1.57	3.16	2.21	0.40	6.41	3.89	32.92
1896	0.50	2.27	5.13	3.57	2.40	3.15	4.59	3.20	4.97	1.33	1.82	2.20	35.13
1897	2.27	1.81	5.07	3.14	4.92	4.95	7.28	1.31	2.88	1.00	2.83	2.28	39.74
1898	3.08	5.63	0.74	1.15	2.38	5.98	2.98	4.24	3.55	3.90	2.46	1.35	37.44
1899	1.87	2.82	3.32	0.00	2.45	2.40	3.16	0.51	1.97	1.70	1.83	1.69	23.72
1900	3.22	4.21	3.60	0.32	5.47	3.59	5.12	2.16	2.54	2.43	5.86	1.00	39.52
1901	3.95	0.55	2.69	3.22	3.54	2.63	6.18	2.10	2.08	2.18	1.20	3.01	33.33
1902	0.90	1.49	4.42	1.64	4.87	4.30	1.64	5.21	3.05	2.15	1.65	3.36	34.68
1903	2.62	1.83	3.53	1.66	0.00	3.56	4.25	3.38	0.92	1.69	0.00	2.94	26.38
1904	2.57	0.90	2.25	3.03	2.82	2.40	3.30	4.30	5.07	2.18	0.67	1.76	31.25
1905	2.56	0.79	1.76	1.40	2.82	2.89	4.10	2.66	3.35	0.79	2.02	3.59	28.73
1906	1.41	1.84	2.40	1.19	4.05	3.51	2.90	1.15	2.23	2.78	2.21	2.29	27.96
1907	1.69	1.38	1.79	4.10	0.67	2.94	3.72	1.11	5.80	3.76	3.53	2.80	33.29
1908	1.74	2.81	1.85	1.47	3.38	2.48	2.28	2.25	0.88	0.96	1.43	2.04	23.57
Av.	2.70	2.03	2.83	1.96	3.11	3.38	3.62	3.11	3.17	2.23	2.76	2.52	33.42

RAINFALL AT WATERVILLE, ME. Elevation, 200 feet.

(West Waterville.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1863	...	...	...	...	...	...	...	3.45	2.85	4.55	3.95	3.40	....
1864	3.65	1.60	3.50	2.70	3.05	0.55	1.35	3.90	3.25	2.60	4.85	3.60	34.60
1865	4.90	2.60	4.50	4.10	2.80	1.35	5.55	1.00	0.57	3.30	3.40	3.25	37.32
1866	2.39	4.90	5.50	2.15	3.35	4.30	2.90	4.80	5.20	4.26	2.64	2.37	44.76
1867	3.70	3.20	4.55	3.42	4.87	1.65	3.70	6.90	0.78	5.30	3.05	1.75	42.87

RAINFALL AT WATERVILLE, ME.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1868	2.27	1.85	3.53	2.53	8.97	2.84	3.15	0.96	4.73	0.60	7.90	1.60	40.93
1869	2.15	6.45	4.95	2.83	4.66	4.76	0.93	2.40	5.19	13.87	3.41	6.08	57.68
1870	6.44	5.70	3.15	3.80	1.67	1.38	1.29	1.90	1.37	5.36	4.34	2.60	39.00
1871	2.93	1.98	5.63	2.75	3.20	1.15	2.99	4.98	1.66	6.39	3.87	4.52	42.05
1872	1.71	1.77	2.75	1.29	1.91	2.27	2.95	**6.98**	5.57	3.06	4.35	4.87	39.48
1873	4.84	3.18	4.95	2.17	3.29	1.44	3.78	0.74	3.96	6.95	3.64	1.87	40.81
1874	3.75	4.20	2.10	6.20	4.25	1.81	1.94	3.36	2.16	1.19	2.15	2.45	35.56
1875	2.70	3.35	4.54	2.15	2.73	6.57	3.04	4.00	6.77	5.10	3.61	0.79	45.35
1876	2.48	3.35	7.87	**2.69**	3.42	2.74	2.99	0.04	5.02	2.09	3.87	4.20	40.76
1877	2.80	0.55	6.88	2.77	0.69	0.87	1.03	5.47	0.59	4.89	6.97	1.65	35.16
1878	3.11	2.55	3.05	6.49	0.97	3.71	1.54	3.48	2.05	8.49	5.32	6.72	47.48
1879	3.67	4.15	2.62	2.52	2.78	3.31	4.11	5.95	3.96	2.55	**4.70**	**4.19**	44.51
Av.	3.34	3.21	4.38	3.16	3.29	2.54	2.70	3.56	3.30	4.75	4.26	3.28	41.77

RAINFALL AT WINSLOW, ME. Elevation, 90 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	0.40	3.40	6.24	1.74	2.52	2.33	3.46	3.59	5.86	2.66	2.89	1.29	36.38
1897	3.75	1.39	3.06	2.44	5.30	3.34	5.50	3.42	3.02	0.68	4.96	2.71	39.57
1898	4.67	4.91	1.05	2.44	1.51	3.42	1.95	3.09	2.77	5.38	3.86	1.59	36.64
1899	2.88	2.45	4.10	1.00	2.32	1.13	6.81	0.25	4.03	1.34	1.76	1.90	29.97
1900	6.35	6.27	5.21	1.95	6.32	4.09	4.17	2.55	3.26	4.86	5.00	1.05	51.08
1901	2.91	0.65	5.15	4.50	2.91	2.51	3.31	4.54	3.92	3.28	1.38	8.23	43.29
1902	2.31	1.49	8.90	2.51	2.24	4.61	2.62	4.43	2.29	5.54	1.17	4.25	42.36
1903	4.14	3.01	7.15	2.21	0.31	4.47	4.53	3.37	1.01	3.31	1.34	2.98	37.83
1904	2.58	1.51	3.41	5.38	4.91	1.47	2.52	4.94	5.84	2.64	1.62	1.65	38.47
1905	3.66	0.93	0.83	2.20	2.53	3.39	4.26	2.03	3.20	0.62	4.00	2.82	30.47
1906	2.78	1.33	3.33	2.78	4.64	3.28	5.18	2.96	1.16	5.86	2.96	2.24	38.50
1907	2.60	1.56	1.72	3.40	2.58	2.90	5.26	0.83	6.00	3.24	4.49	3.15	37.73
1908	2.07	3.10	1.78	2.07	5.00	2.82	2.73	2.74	0.93	3.08	1.60	2.57	30.49
1909	5.16	4.80	3.17	3.87	2.59	2.54	1.95	1.76	6 71	1.88	4.35	1.48	40.26
1910	3.12	2.41	1.86	3.14	2.67	4.10	2.90	5.52	2.51	1.46	2.43	2.78	34.90
1911	2.24	1.40	3.83	0.59	0.61	4.17	4.43	2.63	3.60	2.13	3.04	3.00	31.67
1912	3.30	2.68	4.46	2.49	5.27	0.51	3.15	4.80	2.19	3.37	3.52	2.46	38.20
1913	2.62	1.74	3.99	2.62	3.45	0.92	1.65	3.52	3.74	6.96	1.68	3.15	36.04
Av.	3.20	2,50	3.85	2.63	3.20	2.89	3.69	3.16	3.45	3.24	2.89	2.74	37.44

NEW HAMPSHIRE.

RAINFALL AT ALSTEAD, N. H. Elevation 1 120 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.11	1.85	1.33	0.97	2.40	3.72	1.69	2.84	2.56	2.68	2.25	2.52	26.92
1895	2.88	1.29	2.20	4.84	1.14	2.18	3.37	1.98	3.66	2.39	5.30	3.20	34.43
1896	0.84	4.40	5.83	1.18	1.42	1.44	3.05	5.01	5.60	3.35	2.78	0.88	35.78
1897	2.67	2.91	3.74	3.66	3.46	7.11	12.16	4.38	1.76	1.91	7.39	5.20	56.35
1898	5.19	4.76	0.84	3.58	4.30	3.05	2.16	7.40	5.34	4.89	7.31	2.96	51.78
1899	2.41	3.50	6.87	1.44	1.31	1.33	5.30	1.24	3.77	2.03	2.27	2.58	34.05
1900	5.02	8.09	4.44	1.48	3.72	3.32	2.98	5.32	2.28	3.64	7.29	2.23	49.81

RAINFALL AT ALSTEAD, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1901	1.88	0.47	4.64	5.07	5.81	1.78	5.68	5.31	3.34	2.92	1.21	7.26	45.37
1902	2.88	2.10	5.95	5.52	4.36	4.84	7.85	3.53	5.37	4.77	1.24	6.76	55.17
1903	3.13	4.02	6.13	2.27	1.33	7.37	2.76	6.29	1.38	2.45	1.84	3.85	42.82
1904	3.99	1.77	3.00	5.59	3.59	1.44	1.75	3.21	6.24	2.08	1.10	1.76	35.52
1905	4.40	0.80	2.00	**1.40**	**1.48**	**3.58**	**1.35**	4.89	6.45	1.27	2.51	3.25	33.38
1906	2.55	3.52	3.65	2.07	6.15	4.25	6.58	2.23	1.80	3.18	1.82	2.61	40.41
1907	1.87	1.12	1.86	2.77	2.91	3.49	4.00	2.19	8.33	5.64	4.64	3.38	42.20
1908	2.08	3.27	2.34	2.92	5.10	1.16	4.08	4.51	0.93	1.89	0.91	2.64	31.83
1909	3.52	3.76	1.86	3.72	2.46	4.68	3.43	3.75	4.15	1.26	1.69	1.69	35.97
1910	3.59	3.81	1.01	2.37	3.17	2.80	1.34	2.29	2.67	1.72	3.80	2.93	31.50
1911	1.65	1.98	3.23	0.92	1.70	2.59	5.82	3.79	4.05	5.83	2.80	2.59	36.95
1912	1.80	1.58	4.56	3.12	5.21	1.96	3.85	8.19	5.05	4.16	3.45	3.66	46.59
1913	2.27	2.52	5.82	2.04	3.76	0.23	3.71	2.35	2.11	4.68	1.81	2.08	33.38
Av.	2.84	2.88	3.56	2.85	3.24	3.12	4.14	4.03	3.84	3.14	3.17	3.20	40.01

RAINFALL AT ASHLAND, N. H. Elevation, 600 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	1.72	0.21	6.01	2.66	1.81	3.22	5.85	4.14	1.40	6.68	7.66	1.36	42.72
1878	3.65	1.61	2.33	6.70	1.27	4.84	3.48	5.24	1.84	3.97	4.11	8.52	47.56
1879	2.25	3.66	3.91	2.30	1.96	5.46	3.40	3.04	3.36	1.53	4.84	4.30	40.01
1880	4.41	2.36	1.90	3.31	3.42	3.10	6.09	2.25	2.86	4.98	3.91	2.06	40.65
1881	3.56	3.34	2.71	1.51	5.10	2.49	5.23	1.55	2.83	3.93	3.74	6.30	42.29
1882	3.48	4.13	3.29	1.77	5.52	3.67	3.36	1.12	8.85	1.07	1.05	4.01	41.32
1883	3.01	4.38	1.64	2.26	3.63	6.38	4.83	1.36	3.36	6.34	2.61	3.08	42.88
1884	5.65	5.29	5.64	2.89	3.47	3.06	3.62	4.35	1.07	2.79	3.76	5.10	46.69
1885	5.69	2.91	1.87	2.25	1.89	4.56	5.53	6.51	1.63	3.84	5.71	5.15	47.54
1886	4.84	5.27	3.14	1.43	3.76	2.77	2.09	3.54	4.09	3.53	6.11	4.40	44.97
1887	4.23	5.43	2.74	3.48	2.39	6.09	4.80	4.13	1.29	1.72	4.17	5.31	45.78
1888	4.81	4.31	4.84	3.38	5.05	2.34	1.78	...	...	...	...	...	....
Av.	3.86	3.51	3.20	2.78	3.11	4.15	4.39	3.39	2.96	3.67	4.33	4.51	43.86

RAINFALL AT BELMONT, N. H. Elevation, 600 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	5.06	4.09	1.42	2.09	1.93	3.40	1.54	5.95	0.97	2.39	4.70	4.46	38.00
1886	4.78	4.61	3.41	1.41	2.81	2.67	4.04	2.87	2.73	2.53	4.87	4.50	41.23
1887	4.19	5.88	3.30	2.67	2.33	5.01	5.63	6.22	1.08	1.40	3.41	4.20	45.32
1888	5.26	4.18	6.35	2.86	3.48	1.83	0.91	2.90	8.96	5.71	4.52	2.67	49.63
1889	4.43	1.61	2.90	2.06	2.56	3.81	4.64	1.28	6.29	4.51	4.27	4.28	42.64
1890	4.22	3.97	5.64	1.81	5.78	1.65	4.00	5.39	4.67	6.52	1.68	4.41	49.74
1891	6.09	4.14	4.27	2.55	2.71	2.16	5.22	4.59	2.53	2.44	2.29	4.27	43.26
1892	4.65	1.84	1.89	0.94	4.64	5.30	3.48	9.81	3.14	1.62	4.68	1.03	43.02
1893	2.92	5.65	2.87	2.37	4.21	1.47	2.37	3.44	2.54	5.59	1.85	3.92	39.20
1894	2.34	3.44	0.81	1.70	3.85	1.64	2.24	1.35	2.83	2.77	1.85	1.78	26.60
1895	2.80	0.57	2.20	5.41	2.01	2.94	4.00	3.72	3.41	2.87	5.77	4.48	40.18
1896	0.84	4.38	8.45	1.39	2.94	3.14	3.18	2.73	5.44	5.25	**3.69**	**1.01**	42.44
Av.	3.96	3.70	3.62	2.27	3.27	2.92	3.44	4.19	3.72	3.63	3.63	3.42	41.77

RAINFALL AT BENTON, N. H. Elevation, 1 200 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1909	...	...	...	...	...	...	...	3.06	4.87	0.84	1.56	0.78	....
1910	2.40	2.95	1.42	2.94	4.33	4.45	3.79	4.94	3.44	2.00	2.31	2.38	37.35
1911	1.81	1.90	1.86	0.67	2.28	1.98	4.56	4.42	3.20	4.01	3.45	2.96	33.10
1912	2.99	2.21	4.48	3.26	5.24	1.47	2.70	5.26	4.40	3.45	2.71	3.35	41.52
1913	4.03	1.60	5.74	2.32	3.73	1.84	4.86	1.42	2.81	5.73	2.97	2.53	39.58
Av.	2.81	2.17	3.37	2.30	3.89	2.43	3.98	4.01	3.46	3.80	2.86	2.81	37.89

RAINFALL AT BERLIN MILLS, N. H. Elevation, 1 100 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	3.66	5.31	2.38	2.20	2.37	4.78	6.72	3.80	1.18	1.89	3.53	5.00	42.82
1888	3.64	1.81	4.19	1.17	1.46	1.51	2.18	5.74	3.77	3.85	6.04	2.75	38.11
1889	4.34	1.63	3.00	1.42	1.81	4.35	4.01	1.00	5.72	3.15	3.91	3.30	37.64
1890	**3.87**	4.12	3.46	1.94	5.02	4.29	4.09	**5.74**	2.96	3.59	3.25	4.30	46.63
1891	5.21	1.94	4.91	3.01	3.87	2.15	2.99	5.84	1.85	1.89	2.46	4.56	40.68
1892	5.19	1.33	2.34	0.70	3.93	7.93	3.49	5.70	2.14	2.07	5.14	2.00	41.96
1893	2.05	4.13	2.06	2.51	3.54	3.47	2.53	5.85	2.67	3.80	2.11	4.10	38.82
1894	2.85	1.96	2.28	1.98	3.71	2.80	2.98	2.96	2.66	3.55	2.25	3.25	33.23
1895	2.86	0.89	1.36	5.93	4.00	2.32	2.97	4.30	2.19	1.71	5.38	4.48	38.39
1896	1.61	4.90	8.18	1.80	1.98	2.25	3.45	2.72	2.73	2.43	2.09	1.16	35.30
1897	2.50	1.84	2.57	3.77	5.17	5.66	7.92	1.34	2.48	2.99	5.46	1.08	42.78
1898	2.62	8.16	0.84	2.90	1.42	5.30	4.28	4.25	5.38	3.24	3.72	1.86	43.97
1899	1.98	4.26	5.73	0.54	1.92	2.85	5.43	0.76	3.84	1.73	1.89	2.91	33.84
1900	3.91	5.62	6.08	0.71	4.81	3.92	3.14	2.74	4.78	2.98	6.72	2.64	48.05
1901	1.98	0.91	3.24	5.94	4.12	2.75	3.95	2.84	2.08	3.10	1.89	5.01	37.81
1902	3.41	2.16	5.03	3.04	4.00	4.05	3.69	4.32	3.37	3.43	0.86	3.30	40.66
1903	2.41	3.06	3.59	1.34	0.19	6.91	3.44	4.26	0.80	2.07	0.77	2.20	31.04
Av.	3.18	3.18	3.60	2.41	3.14	3.96	3.96	3.77	2.98	2.79	3.38	3.17	39.52

RAINFALL AT BETHLEHEM, N. H. Elevation, 1,470 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	1.50	2.45	2.62	1.92	2.30	6.09	3.10	5.19	2.69	4.08	1.13	3.43	36.50
1894	2.71	1.87	1.50	1.92	2.37	3.45	2.64	2.12	3.42	2.40	1.77	1.84	28.01
1895	1.06	0.65	1.11	2.90	3.99	2.72	2.70	4.47	3.23	1.36	5.98	4.06	34.23
1896	0.57	2.69	5.06	1.25	2.44	2.09	6.01	3.73	3.98	3.37	2.68	0.98	34.85
1897	2.54	1.52	2.43	2.65	5.52	6.97	6.21	4.07	2.93	1.41	5.62	3.15	45.02
1898	2.85	5.36	1.44	3.09	2.83	5.10	2.55	7.13	5.12	4.32	4.07	2.23	46.09
1899	2.43	3.87	5.61	0.98	1.77	2.92	5.49	1.03	3.83	2.81	2.68	1.72	35.14
1900	4.98	4.71	3.98	1.45	3.30	1.73	4.13	3.65	4.16	5.02	5.77	2.06	44.94
1901	1.90	1.50	3.80	3.08	3.50	4.34	4.94	3.10	2.79	3.83	2.41	4.66	39.85
1902	1.18	2.14	4.95	3.38	5.07	5.30	4.28	3.39	3.35	5.09	1.54	2.76	42.43
1903	2.73	3.23	5.41	1.36	0.29	3.64	4.26	2.11	0.80	2.83	1.30	1.78	29.74
1904	1.98	1.30	1.68	3.01	4.09	2.51	3.08	4.53	7.30	2.88	1.66	1.41	35.43
1905	2.59	1.00	2.52	2.04	2.91	5.54	6.00	5.18	6.61	1.29	1.84	3.64	41.16
1906	1.29	2.52	2.34	1.42	5.05	5.21	3.47	4.06	2.15	4.20	1.80	1.89	35.40
1907	1.40	1.90	2.41	4.10	2.73	2.94	4.19	1.91	4.50	4.93	2.49	2.85	36.35
1908	2.49	2.43	2.16	2.56	2.84	2.28	3.74	2.68	1.19	1.81	1.75	2.73	28.66
1909	5.65	2.86	2.68	3.19	4.58	2.78	3.13	3.24	7.97	1.84	2.47	1.14	41.53
1910	3.17	2.90	1.66	3.27	4.82	4.70	4.97	5.72	3.74	1.31	2.19	2.58	41.03

RAINFALL AT BETHLEHEM, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1911	2.05	1.69	2.58	0.92	1.10	3.23	4.74	6.07	3.25	3.70	2.96	2.87	35.16
1912	2.39	1.76	2.89	2.97	6.27	2.05	2.74	5.92	6.12	1.32	2.43	2.64	39.50
1913	2.98	1.69	6.00	3.09	4.13	2.24	4.08	1.79	2.74	5.07	1.62	1.86	37.29
Av.	2.40	2.38	3.09	2.41	3.42	3.71	4.12	3.86	3.90	3.09	2.67	2.49	37.54

RAINFALL AT BRISTOL, N. H. Elevation, 600 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	3.25	0.14	5.75	2.36	1.41	3.68	4.66	4.16	0.63	6.14	7.47	1.21	40.86
1878	3.95	1.89	1.83	7.20	1.68	6.48	3.56	4.09	1.40	2.91	4.54	8.12	47.65
1879	2.28	3.09	4.06	2.36	1.10	5.03	2.83	2.97	3.39	1.71	4.23	4.50	37.55
1880	3.77	2.10	1.58	3.26	2.00	2.21	4.79	2.23	2.71	4.96	3.45	2.58	35.64
1881	3.73	3.50	4.09	1.23	5.50	2.25	5.96	1.39	2.06	3.93	3.05	6.08	42.77
1882	3.05	4.66	3.02	1.46	5.59	4.38	2.63	1.05	9.87	1.09	0.96	3.05	40.81
1883	2.69	4.18	1.89	2.44	3.80	3.91	4.01	1.01	3.01	5.67	4.02	3.53	40.16
1884	4.34	5.67	5.38	3.39	3.31	2.10	2.84	6.50	0.52	2.32	2.98	5.05	44.40
1885	5.79	3.54	1.74	2.16	2.15	3.01	3.79	8.58	1.84	3.65	6.52	2.44	45.21
1886	6.61	4.41	3.16	1.61	3.52	2.70	2.99	3.22	3.95	3.28	6.38	4.05	45.88
1887	3.66	4.89	2.84	3.06	2.84	6.78	6.08	3.88	1.21	1.80	3.99	5.09	46.12
1888	4.07	4.43	5.04	3.64	4.39	2.06	1.47	4.57	8.06	5.62	5.61	2.66	51.62
1889	5.89	1.95	2.29	2.24	2.68	3.70	4.55	1.99	4.42	4.37	5.03	4.91	44.02
1890	3.53	4.32	...	...	...	...	...	...	...	...	...	...	....
Av.	4.08	3.42	3.28	2.80	3.07	3.72	3.86	3.51	3.31	3.65	4.48	4.10	43.28

RAINFALL AT BROOKLINE, N. H. Elevation, 250 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	...	...	...	...	4.74	4.64	2.05	8.20	1.57	0.77	4.99	0.70	....
1893	2.72	5.71	3.05	2.98	6.98	2.72	1.79	8.09	2.31	4.70	2.41	3.55	47.01
1894	2.76	3.49	1.22	2.74	4.18	0.94	2.86	0.68	3.00	4.20	3.35	2.69	32.11
1895	3.54	0.55	2.72	5.38	2.18	2.63	5.72	2.76	3.12	6.03	6.51	4.09	45.23
1896	1.67	6.97	5.54	1.05	2.31	1.92	3.17	2.76	6.71	3.60	3.11	1.78	40.59
1897	3.99	3.35	3.95	2.03	4.64	6.23	8.50	3.40	2.20	0.88	6.68	6.38	52.23
1898	3.82	3.57	1.51	5.70	3.55	4.49	2.77	5.09	2.30	7.40	6.65	3.55	50.40
1899	2.00	3.35	8.62	2.03	1.83	3.97	5.36	2.39	5.71	1.51	2.25	1.87	40.89
1900	4.19	9.49	6.20	1.98	2.82	2.09	2.16	3.32	4.66	3.59	6.88	3.41	50.79
1901	1.56	0.60	5.73	9.41	6.34	2.21	4.46	5.12	2.50	4.07	1.47	6.05	49.52
1902	2.65	3.30	4.80	5.50	2.33	3.06	4.05	5.64	4.95	6.13	0.90	4.50	47.81
1903	1.90	4.00	5.88	3.58	1.28	10.25	3.71	2.99	2.15	3.82	1.87	3.08	44.51
1904	3.85	2.45	2.90	9.13	4.28	2.79	1.66	4.67	4.60	1.24	0.84	2.25	40.66
1905	5.53	1.20	3.91	2.38	1.08	8.10	2.13	5.22	6.00	1.62	2.08	4.01	43.26
1906	2.61	1.96	5.40	2.34	6.40	6.64	4.26	2.37	1.00	3.75	2.47	3.40	42.60
1907	1.85	1.85	1.85	1.70	2.99	2.94	5.01	1.54	8.75	4.83	5.03	2.54	40.88
1908	2.59	4.22	2.50	2.57	5.18	0.89	4.40	6.07	1.05	2.26	0.95	2.96	35.64
1909	3.35	5.10	3.78	4.54	2.49	1.96	1.87	3.41	4.04	1.50	2.00	4.40	38.44
1910	5.11	3.65	1.43	3.10	1.88	3.95	1.73	2.62	2.32	1.68	2.60	2.29	32.36
1911	2.31	2.40	3.91	1.80	1.64	3.07	3.27	5.30	3.02	6.20	3.55	3.05	39.52
1912	2.17	2.31	4.81	3.57	5.15	0.45	4.08	2.73	2.38	3.38	3.85	3.78	38.66
1913	2.63	3.00	5.97	2.94	4.05	1.08	0.79	3.68	3.30	7.06	3.54	2.88	40.92
Av.	2.99	3.45	4.08	3.64	3.51	3.45	3.51	3.80	3.62	3.78	3.29	3.45	42.57

RAINFALL AT CONCORD, N. H. Elevation, 350 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1853	2.99	3.87	2.89	3.32	5.15	2.75	3.78	5.09	3.21	4.31	4.43	3.06	44.85
1854	...	...	2.25	...	3.08	2.25	1.71	0.25	6.88	2.25	...	...	....
1855	...	...	...	5.25	1.00	4.23	4.75	3.25	0.25	11.00	4.25	...	....
1856	2.65	2.00	1.61	...	3.00	3.71	3.37	...	5.88	1.50	1.20	1.55	....
1857	2.75	0.54	1.50	5.68	5.97	3.20	4.81	3.90	0.52	5.12	1.64	3.97	39.60
1858	3.00	2.01	1.10	2.60	3.63	1.25	4.40	4.70	5.10	...	...	...	....
1859	3.24	1.17	0.90	1.13	0.00	6.74	3.36	4.39	5.56	2.78	2.90	2.98	35.15
1860	3.10	1.97	1.18	1.50	2.20	3.23	3.10	4.71	3.78	3.13	5.05	3.18	36.13
1861	3.25	0.81	3.95	5.30	3.83	1.66	5.61	3.52	3.05	6.86	3.13	1.73	42.70
1862	2.97	2.07	2.69	2.93	2.72	7.95	4.74	3.57	3.12	5.40	7.60	1.85	47.61
1863	3.76	3.47	5.62	3.49	2.52	4.12	6.82	6.35	2.69	5.15	6.73	3.59	54.31
1864	1.14	0.97	4.89	3.83	2.37	0.72	1.31	5.71	3.33	4.30	5.80	4.37	38.74
1865	3.97	2.15	4.02	2.61	5.41	2.55	3.76	3.30	2.00	5.03	1.64	2.71	39.15
1866	1.26	3.29	2.39	1.44	3.55	3.14	3.36	3.89	5.03	2.59	4.06	3.12	37.12
1867	2.08	1.95	3.09	3.52	3.85	2.05	4.59	9.90	1.54	3.42	2.41	1.81	40.21
1868	2.56	1.04	2.18	2.54	6.81	2.52	3.05	2.89	9.92	0.63	5.50	1.63	41.27
1869	2.63	2.71	4.50	1.45	3.18	1.54	1.14	2.01	3.46	11.65	2.19	4.13	40.59
1870	5.83	4.20	2.93	6.24	1.74	2.20	1.40	1.23	1.94	2.26	2.39	2.09	34.45
1871	1.00	2.53	3.78	4.70	3.04	2.47	4.20	5.02	1.30	4.73	3.65	3.50	39.92
1872	1.40	1.70	2.40	1.45	2.49	4.61	7.72	7.00	4.32	4.63	5.00	2.84	45.56
1873	3.98	2.20	2.82	1.97	2.15	0.89	4.08	1.85	4.06	6.15	3.05	3.38	36.58
1874	3.22	3.35	0.73	5.20	4.19	4.74	6.54	1.95	2.40	1.37	2.40	0.90	36.99
1875	3.40	2.53	4.55	3.23	2.77	3.97	2.43	5.31	2.92	6.17	3.25	1.08	41.61
1876	2.27	5.87	8.13	2.40	3.22	4.89	4.73	0.42	3.82	0.95	2.50	4.30	43.50
1877	2.20	0.40	5.28	3.26	2.98	2.63	4.77	4.60	0.85	7.62	6.23	0.84	41.66
1878	4.30	4.42	2.40	6.70	1.86	5.10	1.84	4.06	0.71	4.09	5.76	6.55	47.79
1879	2.70	3.10	3.80	3.10	4.51	4.76	4.29	4.39	3.28	0.79	3.37	3.97	42.06
1880	4.35	2.58	1.40	2.62	1.63	1.33	3.55	1.47	3.12	3.98	2.01	2.44	30.48
1881	3.51	3.65	3.83	0.95	3.28	3.34	4.38	1.25	3.52	2.96	3.04	5.89	39.60
1882	3.87	4.28	2.73	1.09	4.37	3.98	1.73	0.35	7.22	1.41	1.19	1.83	34.05
1883	1.65	3.48	1.50	2.42	3.04	2.04	5.80	1.37	1.96	3.67	1.87	2.55	31.35
1884	4.22	4.70	4.51	3.53	3.07	0.93	2.14	3.62	0.76	1.99	2.77	3.97	36.21
1885	4.45	3.50	0.88	2.54	2.18	4.85	2.15	5.32	0.96	3.63	3.65	3.60	37.71
1886	4.92	4.27	3.27	1.66	2.22	2.48	2.56	3.49	4.25	2.66	3.81	3.30	38.89
1887	3.35	4.86	3.04	3.04	2.33	4.56	7.84	7.68	0.82	1.71	3.70	3.92	46.85
1888	4.93	3.69	4.92	2.84	4.48	2.57	0.96	5.67	10.97	5.63	4.15	3.52	54.33
1889	3.82	1.78	2.51	2.09	2.46	4.21	5.63	1.57	3.86	4.21	4.98	3.88	41.00
1890	2.88	4.20	5.69	1.88	5.05	2.56	3.98	3.56	4.65	7.76	1.49	3.83	47.53
1891	5.71	3.54	4.19	2.41	2.34	3.32	3.34	2.95	2.09	2.63	1.73	4.11	38.36
1892	3.98	1.70	2.00	0.76	6.24	3.00	2.50	9.00	1.98	1.29	4.33	1.04	37.82
1893	2.59	5.48	2.58	2.47	4.15	2.18	3.13	4.11	1.38	4.77	2.53	4.03	39.40
1894	2.67	2.25	1.16	1.64	4.79	1.89	2.89	0.65	2.26	2.79	1.78	2.87	27.64
1895	3.25	0.56	2.27	4.52	2.12	1.98	3.52	3.85	2.34	4.09	5.59	4.01	38.10
1896	1.23	5.90	6.55	1.02	3.34	2.35	3.10	3.75	4.92	4.00	2.97	0.96	40.09
1897	3.72	2.49	3.87	2.38	3.93	8.35	8.56	3.58	1.22	0.58	6.59	4.78	50.05
1898	4.94	4.26	0.84	4.24	2.92	3.10	1.31	4.74	5.89	5.56	5.96	2.26	46.02
1899	2.55	2.40	5.88	1.19	0.32	1.04	4.35	1.93	4.38	0.83	2.35	1.35	28.57
1900	4.88	5.05	5.30	0.90	2.36	1.79	1.74	2.76	2.68	2.19	5.22	1.29	36.16
1901	1.39	0.47	4.05	6.87	6.09	1.87	4.51	6.68	3.08	3.61	1.34	7.20	47.16
1902	2.54	2.37	5.52	4.87	2.38	3.12	4.69	5.20	5.25	4.41	0.97	5.87	47.19
1903	3.61	3.75	5.00	1.62	0.57	7.75	6.00	3.38	1.24	3.27	1.40	3.21	40.80

RAINFALL AT CONCORD, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	3.69	1.71	2.33	7.44	4.02	3.80	3.42	4.45	4.68	1.60	1.58	1.81	40.53
1905	4.10	1.80	3.46	1.66	2.45	3.81	2.02	2.59	6.24	1.11	2.33	4.51	36.08
1906	1.73	1.34	2.11	1.44	5.44	5.79	3.14	2.24	1.19	3.60	2.06	3.20	33.28
1907	1.05	0.85	0.99	2.85	2.56	3.07	6.66	1.64	9.26	3.74	4.07	2.62	39.36
1908	2.07	3.31	1.68	1.85	4.25	0.29	2.07	5.58	0.45	1.62	0.81	2.27	26.25
1909	2.98	3.25	2.56	3.04	1.35	3.12	2.14	2.85	4.15	0.82	2.12	2.56	30.94
1910	4.10	4.77	1.28	3.20	1.81	3.47	0.91	1.49	3.06	1.03	2.60	2.47	30.19
1911	1.68	3.02	4.01	1.46	1.57	1.87	3.45	4.24	2.93	3.73	3.03	3.14	34.13
1912	2.59	1.66	4.89	2.58	4.70	1.06	2.43	3.39	3.14	2.54	3.74	3.71	36.43
1913	1.81	2.25	4.40	2.03	3.17	0.10	1.25	2.30	3.26	4.63	1.76	2.08	29.04
Av.	3.10	2.83	3.30	2.88	3.22	3.15	3.67	3.75	3.37	3.56	3.33	3.12	39.28

RAINFALL AT DURHAM, N. H. Elevation, 88 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	**2.31**	3.94	2.22	2.15	5.62	1.95	2.33	3.48	1.95	5.16	2.09	2.85	36.05
1894	2.17	2.84	0.99	...	...	...	...	...	...	...	...	...	....
1896	1.15	5.83	6.71	0.98	2.23	3.04	2.85	3.68	9.48	3.50	3.47	1.76	44.68
1897	4.84	2.31	4.40	2.50	4.94	8.85	6.98	2.97	2.71	0.49	6.79	5.33	53.11
1898	3.59	3.03	1.79	5.37	3.79	2.14	1.76	5.92	3.57	7.62	5.17	2.47	46.22
1899	6.70	2.01	4.76	1.38	1.08	1.14	3.99	1.00	5.12	2.15	1.97	1.64	32.94
1900	5.62	10.06	6.06	2.09	2.53	1.37	1.49	2.49	3.30	4.32	5.04	3.83	48.20
1901	1.82	0.79	5.38	7.94	4.27	0.35	3.10	1.08	3.38	3.21	1.58	7.62	40.52
1902	2.77	4.33	7.25	4.68	1.22	4.04	5.39	5.81	5.74	4.61	0.79	5.87	50.50
1903	6.05	4.32	6.63	2.34	1.07	7.70	4.92	2.67	1.73	3.74	2.04	2.25	45.46
1904	5.59	3.28	3.20	8.61	3.29	5.65	1.23	3.03	2.94	2.35	1.12	2.22	42.51
1905	7.60	1.73	2.00	1.13	0.95	5.72	2.50	2.35	10.68	1.20	2.90	7.41	46.17
1906	6.50	1.26	4.35	2.93	6.20	9.04	3.56	2.87	1.14	2.33	3.11	3.51	46.80
1907	2.30	1.98	1.32	2.94	1.89	2.62	2.19	1.54	8.40	3.43	4.38	3.59	36.58
1908	3.48	2.48	1.54	1.21	4.54	0.96	3.16	5.43	1.05	3.66	1.43	3.27	32.21
1909	1.93	3.23	1.34	3.45	1.66	2.46	1.73	2.83	4.34	1.89	2.47	2.91	30.24
1910	2.90	2.94	0.14	2.47	1.27	3.27	1.79	3.02	2.76	1.64	2.01	1.39	25.60
1911	1.37	1.89	1.23	1.27	1.10	1.83	4.96	4.26	3.09	1.89	3.16	3.61	29.66
1912	3.64	2.29	4.69	1.23	4.39	0.20	4.14	2.95	3.03	2.58	2.30	3.84	35.28
1913	0.86	2.28	2.36	2.80	4.17	0.20	0.98	4.20	1.38	7.96	0.88	1.91	29.98
Av.	3.74	3.16	3.55	3.03	2.96	3.29	3.00	3.24	3.99	3.35	2.77	3.54	39.62

RAINFALL AT ERROL DAM, ERROL, N. H. Elevation, 1 260 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	2.10	3.50	1.90	0.60	0.00	1.20	3.75	2.56	2.86	2.90	2.02	4.40	27.79
1886	5.60	2.60	2.20	0.50	2.27	1.47	1.90	3.71	3.37	1.30	3.63	3.40	31.95
1887	3.85	3.80	2.37	0.86	1.02	3.10	4.92	5.86	0.99	2.23	3.00	3.14	35.14
1888	2.65	3.58	4.18	4.96	3.14	4.47	1.67	5.56	4.99	4.80	4.48	2.28	46.76
1889	2.67	1.31	3.36	1.11	1.07	5.58	4.18	1.78	4.32	4.02	3.47	3.39	36.26
1890	3.87	3.34	3.04	1.65	5.92	3.75	2.19	5.74	3.62	3.54	3.24	2.67	42.57
1891	4.50	3.31	2.79	1.88	2.58	1.95	4.75	3.78	1.89	1.46	2.24	3.43	34.56
1892	3.73	1.50	1.96	0.71	3.29	8.14	4.10	6.62	2.85	1.93	3.47	1.41	39.71
1893	1.36	3.94	2.29	5.41	3.03	2.70	2.81	4.08	2.49	2.38	3.24	4.26	37.99
1894	2.97	1.80	1.70	1.63	3.08	4.59	3.02	2.79	3.16	3.12	3.92	2.51	34.29

RAINFALL AT ERROL DAM, ERROL, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	1.74	0.55	1.53	3.42	2.97	3.30	3.16	4.24	1.86	1.07	5.76	3.30	32.90
1896	1.01	3.53	4.99	2.78	3.26	2.56	5.00	3.70	3.49	2.99	2.30	1.17	36.78
1897	1.73	2.17	3.68	3.33	4.74	5.62	5.49	2.97	2.07	1.04	4.75	2.58	40.17
1898	3.98	5.48	1.17	2.54	0.79	3.89	2.52	3.92	5.45	3.72	3.00	1.97	38.43
1899	2.43	2.61	7.17	0.58	1.67	3.45	3.47	0.66	2.57	1.81	1.85	2.26	30.53
1900	3.53	4.85	4.77	0.94	4.80	3.89	5.41	1.51	4.25	2.89	6.48	1.51	44.83
1901	2.44	0.72	2.85	3.90	3.96	7.05	5.31	3.61	2.30	2.82	1.14	4.53	40.63
1902	1.71	1.65	3.81	2.20	4.86	3.10	2.76	6.53	4.34	3.32	1.52	4.63	40.43
1903	2.92	3 07	4.17	1.27	0.05	4.39	3.55	2.67	0.74	2.23	0.95	2.22	28.23
1904	1.80	1.89	2.42	3.35	3.27	1.65	2.22	4.74	3.96	2.81	0.88	2.50	31.49
1905	3.09	1.31	1.69	1.62	3.19	3.13	5.25	3.51	4.47	1.14	2.61	3.27	34.28
1906	2.01	2.33	2.68	1.79	4.34	4.82	2.40	2.11	1.99	3.78	2.25	2.51	33.01
1907	1.74	1.50	1.66	3.92	1.10	4.86	5.70	2.40	5.92	4.37	2.66	3.18	39.01
Av.	2.76	2.62	2.97	2.22	2.80	3.85	3.72	3.70	3.22	2.68	2.99	2.89	36.42

RAINFALL AT FRANKLIN, N. H. Elevation, 440 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	2.81	2.11	6.00	5.15	2.22	4.75	4.67	4.99	5.30	4.95	1.52	2.42	46.89
1903	3.88	3.98	5.60	1.72	0.50	8.98	3.33	4.01	3.28	3.38	1.52	2.42	42.60
1904	3.44	1.79	2.01	6.86	4.44	2.73	1.49	3.82	4.41	1.83	1.55	1.80	36.17
1905	3.21	1.63	2.70	1.84	1.73	3.27	4.33	3.72	7.25	1.47	2.61	3.86	37.62
1906	2.27	2.19	3.20	2.75	5.73	6.67	4.08	0.56	0.94	4.05	2.65	3.75	38.84
1907	2.31	1.33	2.18	2.30	2.45	3.31	2.93	2.60	8.85	4.67	4.44	3.31	40.68
1908	2.35	5.03	1.99	1.52	5.62	1.64	3.26	3.55	0.61	1.32	1.23	3.09	31.21
1909	4.66	4.58	3.30	3.25	2.05	3.54	3.08	1.86	3.52	0.88	2.65	2.69	36.06
1910	3.48	4.60	1.38	3.75	3.09	2.80	1.17	4.34	4.56	1.06	2.64	2.62	35.49
1911	2.26	2.86	3.05	1.34	0.78	2.70	4.29	3.99	3.84	5.20	3.39	1.96	35.66
1912	2.64	2.01	5.09	3.08	5.27	1.22	2.66	3.06	5.09	3.21	4.12	3.84	41.29
1913	3.00	2.59	5.56	2.17	4.28	0.72	3.82	4.10	3.16	5.39	1.86	3.18	39.83
Av.	3.03	2.89	3.50	2.98	3.18	3.53	3.26	3.38	4.23	3.12	2.52	2.91	38.53

RAINFALL AT GRAFTON, N. H. Elevation, 863 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	4.17	3.47	1:74	2.61	2.93	3.27	5.17	1.93	3.21	4.18	2.87	2.78	38.33
1881	3.36	3.77	4.76	1.29	4.65	2.71	5.08	2.22	2.27	3.95	3.03	6.22	43.31
1882	3.41	3.92	2.22	**1.19**	6.11	4.38	2.54	1.27	10.70	1.06	3.03	2.32	42.15
1883	2.14	3.23	2.07	2.06	2.97	1.18	5.00	1.44	2.42	4.76	2.81	0.85	30.93
1884	4.80	4.79	5.05	3.74	3.18	1.46	3.15	4.54	0.92	2.68	4.09	4.56	42.96
1885	4.39	3.00	1.94	1.81	2.31	3.72	5.56	10.00	1.75	3.06	6.00	1.90	45.44
1886	4.93	3.47	1.77	0.60	3.26	2.46	3.27	2.47	3.24	3.59	4.67	2.82	36.55
1887	4.40	4.55	3.40	2.58	3.82	5.67	7.18	4.60	1.58	2.09	3.74	3.74	47.35
1888	4.57	3.86	4.96	2.65	4.20	2.74	1.27	4.92	7.80	5.12	4.68	**2.90**	49.67
1889	**4.06**	**2.32**	**2.38**	**1.85**	**2.34**	**4.41**	**5.15**	**2.37**	**4.25**	**4.18**	**4.82**	**4.49**	42.62
1890	**3.37**	**4.51**	**5.05**	**2.04**	**5.65**	**2.76**	**4.22**	**4.58**	**5.14**	**6.35**	**1.77**	**3.89**	49.33
1891	**5.90**	**3.45**	**4.02**	**2.36**	**2.31**	**3.09**	**4.46**	**4.12**	**1.66**	**2.15**	**2.49**	**4.78**	40.79
1892	**4.50**	**1.82**	2.15	0.91	6.40	4.78	1.88	10.60	2.81	1.72	3.40	0.89	41.86
1893	2.21	6.65	1.61	1.78	4.13	2.73	2.53	7.21	2.36	4.57	1.63	3.16	40.57
1894	2.29	3.51	1.17	2.11	3.75	3.80	1.80	1.16	4.58	3.53	1.95	**2.38**	32.03

RAINFALL AT GRAFTON, N. H.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	1.98	0.74	0.95	5.71	1.97	4.09	4.37	3.90	2.55	2.85	5.49	4.13	38.73
1896	0.54	3.74	5.96	0.99	1.63	1.24	2.27	3.70	5.04	5.67	3.69	0.81	35.28
1897	2.85	2.56	2.59	2.27	4.90	5.29	7.30	2.59	1.23	1.20	5.07	3.81	41.66
1898	4.34	3.97	0.79	3.24	2.67	0.60	5.26	3.28	0.75	2.92	4.21	1.93	33.96
1899	2.02	2.97	5.06	1.25	0.92	2.71	7.25	1.48	3.38	1.18	1.68	1.42	31.32
1900	4.62	6.40	4.51	0.96	2.63	3.05	3.15	2.91	2.39	3.43	5.37	2.41	41.83
1901	1.80	0.60	3.62	5.75	8.57	1.33	5.30	4.36	4.24	2.92	2.20	6.63	47.32
1902	2.48	1.74	6.49	4.17	3.69	4.02	5.29	3.36	5.42	4.09	1.01	5.28	47.04
1903	3.36	3.34	4.55	1.89	0.56	8.07	3.92	3.19	1.00	3.27	1.20	2.83	37.18
1904	2.49	1.88	2.42	6.05	4.17	2.80	2.24	3.43	5.13	2.22	1.25	1.26	35.34
1905	3.40	2.10	2.22	1.52	1.98	3.79	4.56	4.07	5.31	1.50	2.10	2.75	35.30
1906	1.36	1.12	3.05	2.15	6.76	5.23	5.44	1.03	0.71	2.86	2.32	1.50	33.53
1907	**1.54**	2.15	2.12	2.98	2.30	2.92	2.42	1.27	6.53	5.28	3.59	2.66	35.76
1908	1.80	4.60	1.55	2.29	5.08	0.60	5.26	3.28	0.75	1.69	0.79	2.34	30.03
1909	4.12	3.62	3.20	2.51	2.74	3.48	2.03	1.79	4.00	1.00	2.20	2.27	32.96
1910	3.80	4.35	1.02	3.91	3.02	2.47	1.74	3.56	3.92	0.75	2.82	2.55	33.91
1911	2.08	2.15	3.42	0.91	1.39	3.43	4.69	2.49	3.44	4.04	2.69	2.15	32.88
1912	2.02	1.49	3.85	2.38	5.35	1.25	2.55	5.45	4.09	3.60	3.77	3.12	38.92
1913	2.98	1.70	5.53	1.94	3.52	**0.55**	**2.05**	2.89	2.37	4.79	3.10	2.73	34.15
Av.	3.18	3.16	3.15	2.43	3.59	3.12	3.98	3.57	3.44	3.18	3.10	2.95	38.85

RAINFALL AT HANOVER, N. H. Elevation, 603 feet.
(Dartmouth College.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1835	1.90	0.70	2.23	2.99	3.31	4.86	2.99	4.22	1.80	2.42	2.21	1.61	31.24
1836	3.85	6.25	2.09	2.29	3.71	3.06	2.17	1.92	1.67	3.41	3.14	3.74	37.30
1837	3.57	2.98	1.57	2.80	5.93	3.89	4.33	2.14	1.33	2.81	2.61	1.55	35.51
1838	2.63	1.65	1.82	1.42	4.95	7.27	1.78	4.19	4.05	3.93	3.90	2.75	40.34
1839	2.20	1.35	1.53	1.39	2.26	5.42	4.29	2.03	3.05	1.01	2.47	5.05	32.05
1840	2.00	2.57	4.74	6.00	3.06	3.29	3.05	2.33	7.03	3.53	4.20	3.28	45.08
1841	6.76	1.80	3.56	5.45	1.91	2.54	2.62	2.26	4.24	1.19	2.54	4.31	39.18
1842	1.32	4.28	3.43	2.82	4.31	2.90	4.74	5.45	5.28	3.51	4.65	3.98	46.67
1843	3.50	4.50	4.24	5.24	3.90	5.92	2.76	9.00	2.05	7.59	4.50	2.65	55.85
1844	3.85	2.10	4.34	1.28	3.64	3.84	4.08	6.28	2.16	8.19	1.86	4.14	46.66
1845	4.45	3.90	3.50	3.84	1.83	1.67	1.88	3.37	3.13	2.25	4.90	3.61	38.33
1846	2.48	2.55	2.82	1.67	4.77	4.38	3.37	1.73	4.11	2.66	3.67	3.52	37.73
1847	5.10	2.46	3.22	2.55	3.84	4.47	3.78	4.62	3.74	5.65	1.65	4.80	45.88
1848	3.30	2.65	2.90	1.83	6.65	2.11	6.55	5.51	3.15	5.64	3.32	4.87	48.48
1849	0.75	1.70	2.55	1.35	3.60	3.35	1.60	9.46	1.67	5.86	4.25	2.06	38.20
1850	2.00	1.68	1.20	4.33	7.37	3.54	4.18	2.86	1.83	4.87	2.18	4.27	40.31
1851	9.75	3.28	4.85	2.72	2.66	2.55	4.75	1.28	1.80	7.94	4.94	3.75	50.27
1852	1.52	2.15	3.02	4.87	0.55	4.89	3.76	2.56	2.37	2.41	3.95	3.60	35.65
1853	0.31	4.70	1.92	2.03	5.81	1.75	1.88	3.20	4.87	3.98	4.42	2.62	37.49
1854	2.88	2.77	2.13	4.14	3.46	3.92	1.24	0.12	5.32	2.46	3.58	2.11	34.13
1855	3.80	1.69	0.98	2.72	1.32	6.40	4.74	3.59	2.20	7.29	2.27	2.88	39.88
1856	1.69	0.75	1.25	1.57	...	1.97	3.14	9.83	...	...	...	2.33	...
1857	...	...	...	...	...	...	...	...	...	...	...	...	...
1858	...	...	...	...	...	...	...	...	...	...	...	...	...
1859	...	...	...	...	...	...	...	...	...	...	...	...	...
1860	...	...	...	...	...	...	...	...	...	...	...	...	...

RAINFALL AT HANOVER, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1861	...	...	...	...	...	...	...	...	...	...	...	...	...
1862	...	...	...	...	...	...	...	...	0.94	2.30	...	...	...
1863	...	...	0.45	...	1.06	1.49	7.02	5.86	1.81	1.44	1.68	2.75	...
1864	1.80	0.75	1.28	1.83	1.82	0.73	0.51	...	2.61	3.68	3.42	1.79	...
1865	...	0.50	...	3.00	1.40	3.30	1.17	...	2.13	2.82	2.08	...	...
1866	...	...	...	1.59	1.56	2.97	1.49	...	3.41	3.24	1.89	0.68	...
1867	1.35	1.35	1.14	**2.35**	3.71	4.04	1.28	4.61	1.89	3.27	1.35	**2.64**	28.98
1868	1.70	0.65	2.42	2.44	6.44	5.43	1.35	3.94	6.46	1.00	**2.80**	1.45	36.08
1869	2.05	1.44	4.53	3.45	2.54	3.46	2.67	**3.59**	6.13	9.29	0.86	1.79	41.80
1870	5.81	3.45	2.25	2.90	2.53	3.17	1.82	1.13	1.68	3.50	1.59	1.15	30.98
1871	0.45	0.32	2.64	1.63	2.86	2.16	1.20	**3.59**	1.32	1.89	2.14	2.49	22.69
1872	1.46	1.40	1.62	0.38	3.42	4.34	5.63	7.35	2.64	1.57	0.75	2.28	32.84
1873	3.10	1.75	3.54	1.32	1.21	1.74	5.91	1.52	3.83	5.57	2.38	1.65	33.52
1874	2.90	1.81	0.68	3.40	3.26	3.44	5.07	2.01	3.92	1.30	1.92	1.08	30.79
1875	3.92	1.20	2.55	0.72	3.94	4.98	2.70	4.51	1.94	3.94	1.63	0.78	32.81
1876	1.72	3.59	3.45	1.32	1.32	3.46	**3.39**	0.42	4.58	0.53	2.13	4.30	30.21
1877	2.70	**2.38**	2.57	1.97	1.03	4.28	8.48	4.01	0.91	4.67	3.81	0.96	37.77
1878	1.92	1.70	0.28	3.01	1.09	3.40	2.62	2.44	1.66	1.30	3.50	4.69	27.61
1879	2.85	2.38	3.01	2.52	0.81	4.05	2.77	3.46	3.43	1.68	4.58	1.97	33.51
1880	3.18	1.29	1.06	1.65	1.68	1.83	2.39	3.23	2.06	2.84	2.23	1.51	24.95
1881	2.97	1.21	2.02	0.07	3.61	**3.51**	**3.39**	0.85	1.92	2.50	2.47	3.96	28.48
1882	1.66	2.11	0.98	0.86	3.79	3.05	2.70	1.55	6.46	0.77	0.59	1.81	26.33
1883	1.07	2.02	1.07	1.31	2.71	2.73	4.30	0.85	2.38	2.89	1.38	1.87	24.58
1884	2.01	3.06	3.11	2.29	2.74	2.87	1.66	3.83	0.27	1.40	3.45	2.75	29.44
1885	3.08	2.20	1.12	1.93	1.79	2.39	2.62	7.77	2.19	2.96	6.62	2.03	36.70
1886	3.47	1.24	2.13	1.11	2.55	2.36	1.75	2.84	2.71	2.45	4.94	1.99	29.54
1887	4.82	7.67	2.43	1.54	3.55	2.74	6.13	3.14	0.91	1.89	2.98	3.45	41.25
1888	3.75	2.20	5.25	2.39	3.28	4.65	1.99	4.64	5.86	4.05	5.14	2.37	45.57
1889	3.28	2.17	2.65	0.97	1.84	3.61	5.48	1.78	3.52	4.60	4.76	2.85	37.51
1890	2.48	2.75	3.24	1.57	5.40	2.63	3.85	7.77	3.99	4.75	1.86	2.80	43.09
1891	4.52	2.40	2.32	2.21	1.90	3.55	4.34	3.21	1.54	1.50	2.00	2.88	32.37
1892	3.37	1.41	1.40	0.93	6.26	7.42	1.93	6.25	1.72	1.54	2.53	0.96	35.72
1893	1.32	6.43	2.12	1.64	3.09	4.72	2.97	4.85	2.38	3.00	0.94	3.59	37.05
1894	2.16	2.02	1.10	1.71	3.38	2.12	2.26	2.18	3.56	2.82	2.46	2.45	28.22
1895	1.96	0.85	1.99	4.26	1.69	2.77	2.63	3.40	2.56	1.41	5.17	3.05	31.74
1896	0.67	3.95	8.25	0.83	1.27	2.51	3.23	3.07	5.36	3.92	2.30	0.71	36.07
1897	2.88	1.64	3.05	2.60	6.07	5.55	7.97	1.70	1.57	1.29	5.78	3.28	43.38
1898	4.89	3.99	1.17	2.82	2.71	4.30	1.20	3.94	4.53	3.56	3.71	1.40	38.22
1899	2.19	1.89	5.34	0.90	0.93	3.48	4.49	2.61	4.14	1.60	1.89	1.85	31.31
1900	3.35	4.89	3.69	0.92	3.23	2.48	2.40	2.89	1.35	3.17	5.15	2.07	35.59
1901	1.78	0.39	3.71	3.35	5.71	1.44	5.13	3.28	3.53	1.77	1.35	3.44	34.88
1902	1.56	2.00	3.80	4.24	3.57	3.81	3.91	3.38	4.70	4.23	1.16	4.29	40.65
1903	3.03	3.11	4.90	0.97	0.84	6.14	4.64	3.80	1.17	2.20	0.99	2.94	34.73
1904	2.85	1.06	1.71	4.15	3.35	1.48	2.51	3.73	6.03	2.40	0.93	1.57	31.77
1905	1.90	1.16	2.51	1.96	2.03	5.15	6.67	4.05	6.10	1.02	1.65	2.34	36.54
1906	1.26	2.23	2.19	1.55	6.95	3.49	3.67	2.48	1.54	3.09	1.93	2.69	33.07
1907	1.49	0.93	2.08	4.04	3.24	3.88	2.16	1.16	6.26	4.65	3.15	3.28	36.32
1908	1.56	3.04	1.24	2.18	3.99	2.17	2.32	2.84	1.14	1.90	0.94	2.44	25.76
1909	4.14	3.87	2.07	2.47	3.15	3.00	0.58	3.38	3.45	1.15	2.05	1.90	31.21
1910	2.50	3.55	0.92	2.70	3.25	3.45	1.44	3.91	3.66	1.12	2.49	2.38	31.37
1911	1.41	3.08	3.30	0.97	1.29	3.29	8.26	3.40	3.47	3.95	2.00	1.92	36.34
1912	2.35	1.27	3.23	2.51	7.00	0.62	2.69	3.52	4.19	4.70	2.30	2.60	36.98
1913	2.92	1.66	6.02	1.43	4.54	0.94	3.16	2.04	1.69	4.31	1.85	3.50	34.06
Av.	2.76	2.44	2.68	2.33	3.31	3.53	3.43	3.44	3.16	3.23	2.82	2.70	35.83

RAINFALL AT KEENE, N. H. Elevation, 506 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	2.72	2.18	1.07	0.47	5.61	5.19	3.37	7.22	2.46	0.91	3.22	1.00	35.42
1893	**2.08**	7.02	1.97	2.20	3.63	3.21	2.06	8.96	2.45	3.54	1.40	3.62	42.14
1894	1.91	2.20	1.21	1.68	3.48	2.49	2.56	1.05	3.55	2.18	2.04	2.77	27.12
1895	2.56	0.93	1.89	4.51	1.76	3.38	4.62	3.91	2.80	3.05	5.34	3.10	37.85
1896	0.89	2.88	6.19	1.45	2.05	1.46	3.09	2.81	5.51	3.24	2.37	0.81	32.75
1897	2.55	1.79	4.08	2.74	3.62	5.71	10.19	4.01	1.77	1.86	6.04	5.17	49.53
1898	4.68	3.22	0.97	3.58	4.58	3.41	1.25	4.87	3.27	6.67	5.05	2.45	44.00
1899	2.68	3.19	6.02	1.14	2.39	2.80	5.28	1.78	3.83	1.23	1.80	1.71	33.85
1900	4.35	6.46	4.28	1.86	3.62	2.61	4.39	3.42	2.79	3.15	5.68	2.07	44.68
1901	1.69	0.60	4.61	3.77	5.48	1.95	5.65	6.37	3.31	4.36	1.79	6.70	46.28
1902	1.99	2.32	3.86	3.79	3.40	3.98	4.95	4.26	4.18	4.14	0.82	5.55	43.24
1903	2.73	3.58	4.67	2.13	0.79	6.17	2.09	4.27	1.88	2.16	1.80	2.72	34.99
1904	2.91	1.45	2.21	5.02	2.70	1.98	2.48	5.37	4.91	1.95	1.91	1.66	34.55
1905	3.45	1.30	2.73	1.40	1.48	3.58	1.35	5.01	6.55	1.12	2.04	3.25	33.26
1906	2.14	2.28	3.46	2.03	5.16	3.14	4.88	1.75	1.44	3.63	2.03	3.11	35.05
1907	1.99	1.48	1.68	2.51	2.76	2.82	5.85	2.34	7.73	4.83	3.44	3.47	40.90
1908	2.20	3.16	2.67	3.02	3.94	0.78	4.70	4.59	0.72	1.35	1.00	2.46	30.59
1909	4.39	3.83	2.15	3.81	1.92	2.63	1.48	4.20	4.12	1.15	1.60	2.64	33.92
1910	4.01	4.03	1.02	1.95	2.34	2.16	2.55	1.41	4.31	1.41	3.04	1.90	30.13
1911	2.12	1.78	3.55	1.15	0.88	1.91	3.69	3.90	4.32	5.88	2.70	2.54	34.42
1912	1.91	1.58	4.64	3.05	4.32	1.72	2.77	4.10	4.86	2.24	3.12	3.93	38.24
1913	2.77	2.50	5.76	1.81	4.10	0.41	2.01	2.86	1.65	3.34	1.42	2.67	31.30
Av.	2.67	2.72	3.21	2.50	3.19	2.89	3.69	4.02	3.56	2.88	2.71	2.97	37.01

RAINFALL AT LAKEPORT, N. H. Elevation, 500 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1857	4.08	2.32	1.99	5.86	5.83	3.35	2.46	6.69	1.42	7.39	2.60	4.18	48.17
1858	2.87	1.89	1.62	3.14	3.24	2.80	4.71	4.10	4.95	5.99	2.96	3.46	41.73
1859	5.01	2.48	7.74	3.03	2.42	4.58	3.14	2.26	3.92	1.93	3.77	4.54	44.82
1860	0.52	1.99	1.97	1.35	2.00	2.35	4.60	4.52	4.55	2.95	6.06	3.54	36.40
1861	4.41	3.27	3.58	4.30	4.18	2.24	2.82	2.74	4.39	4.85	3.81	1.97	42.56
1862	4.37	2.93	5.01	2.04	2.55	4.35	2.59	3.49	3.17	3.93	6.52	2.56	43.51
1863	4.82	2.95	4.88	3.29	2.35	1.00	7.65	5.64	2.71	3.88	4.11	5.03	48.31
1864	2.30	1.46	5.54	3.79	2.57	0.31	0.63	3.80	3.42	3.55	5.66	3.46	36.49
1865	3.79	2.70	4.74	4.02	5.78	1.70	3.84	2.98	2.44	4.39	2.38	2.62	41.38
1866	1.81	4.01	2.93	1.41	3.35	3.36	5.43	2.53	6.42	2.46	2.92	3.07	39.70
1867	0.93	3.21	1.74	4.95	4.57	3.27	2.98	8.30	0.88	4.13	2.10	2.16	39.22
1868	1.96	1.31	1.34	2.54	7.37	1.93	2.92	4.03	9.50	0.97	6.31	1.36	41.54
1869	2.54	4.26	4.58	2.30	3.51	2.41	2.66	2.66	3.20	11.54	2.04	5.01	46.71
1870	5.97	6.02	3.28	7.08	1.18	0.85	2.53	1.79	1.37	3.40	3.67	1.84	38.98
1871	1.58	2.54	4.06	3.47	3.59	2.01	3.83	3.98	1.72	4.45	6.15	2.96	40.34
1872	1.61	2.67	1.99	1.87	3.21	5.53	4.29	6.83	8.73	2.83	5.30	3.33	48.19
1873	4.47	2.40	3.29	2.34	1.97	1.99	8.00	0.93	4.94	6.64	3.11	3.08	43.16
1874	3.67	3.44	1.05	5.45	4.81	4.19	7.78	2.19	4.92	1.77	3.12	1.26	43.65
1875	3.25	3.28	3.64	2.69	3.20	5.15	2.78	6.04	1.82	6.03	4.75	1.34	43.97
1876	3.31	5.75	9.01	2.79	1.81	4.17	4.83	0.31	4.29	1.01	2.97	4.67	44.92
1877	2.51	0.38	4.81	2.98	2.08	2.92	5.47	3.09	1.21	6.49	6.78	1.49	40.21
1878	4.75	2.58	2.63	5.24	1.20	4.98	2.63	4.00	1.29	3.91	5.33	6.88	45.42
1879	2.73	3.15	3.78	3.17	1.49	6.68	3.99	4.40	3.21	0.91	4.49	3.88	41.88

RAINFALL AT LAKEPORT, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	4.58	2.31	1.85	2.62	2.97	2.52	4.86	2.24	3.51	5.35	2.95	2.55	38.31
1881	4.10	2.97	5.21	1.24	4.37	3.11	4.33	4.48	2.81	3.53	3.26	5.62	45.03
1882	3.72	4.52	3.27	1.33	4.87	4.22	2.01	0.46	7.88	1.31	0.82	2.55	36.96
1883	2.15	4.36	2.03	2.65	3.08	2.98	4.61	1.22	3.02	4.75	2.61	3.19	36.65
1884	4.16	5.02	5.31	3.40	3.13	1.88	4.32	3.32	0.83	2.18	3.52	4.12	41.19
1885	4.71	4.37	1.45	2.58	1.94	2.92	3.72	7.97	1.45	2.49	5.86	4.49	43.95
1886	4.23	4.72	3.68	2.19	2.94	2.33	4.90	3.56	3.76	3.02	5.22	4.75	45.30
1887	3.56	5.25	3.57	2.49	2.02	5.87	6.83	4.28	2.02	1.53	3.48	4.53	45.43
1888	5.46	4.39	6.01	3.15	3.83	2.38	1.61	4.04	9 32	5.71	6.69	3.01	55.60
1889	5.42	1.94	3.04	2.36	2.32	4.55	3.86	1.74	5.29	4.77	5.39	4.02	44.70
1890	3.76	4.28	5.21	2.01	6.39	2.71	4.58	4.99	6.23	6.16	1.83	4.97	53.12
1891	6.71	3.98	4.36	2.14	2.84	2.42	5.65	3.16	1.58	2.43	2.43	4.32	42.02
1892	4.17	1.84	2.20	0.86	6.26	5.17	2.70	8.66	2.81	1.66	4.70	0.99	42.02
1893	2.94	7.06	2.97	2.57	4.43	2.66	2.75	4.32	2.63	4.96	1.58	4.15	43.02
1894	3.55	3.22	1.63	1.63	3.96	2.47	2.35	2.58	3.25	2.76	1.95	2.11	31.46
1895	3.05	0.65	2.11	5.25	2.05	2.54	3.58	4.25	3.70	3.80	4.35	4.31	39.64
1896	0.92	6.12	8.49	1.31	3.03	2.76	3.27	2.70	4.59	5.36	3.69	1.01	43.25
1897	4.34	2.95	4.01	2.68	4.95	6.92	6.03	2.90	1.20	0.80	6.61	6.30	49.69
1898	7.11	4.99	1.27	3.86	3.00	3.83	1.63	2.53	3.36	4.74	5.74	4.41	46.47
1899	2.89	3.22	7.35	1.48	1.87	2.11	4.82	1.81	3.04	1.40	2.20	1.88	34.07
1900	5.97	9.83	7.43	1.54	2.22	2.77	1.75	3.27	2.77	3.48	6.64	3.28	50.95
1901	2.28	0.79	5.52	5.70	7.02	1.10	4.88	5.38	2.53	3.68	1.88	7.33	48.09
1902	3.06	3.86	5.64	5.57	2.28	4.30	4.00	4.97	5.05	4.43	1.31	7.30	51.77
1903	4.08	4.93	5.82	2.27	0.62	6.42	4.26	3.39	1.15	3.26	1.22	4.13	41.55
1904	3.27	2.20	3.09	6.43	3.41	3.77	2.26	3.74	5.64	1.75	1.54	1.92	39.02
1905	5.58	1.58	3.54	1.75	1.66	2.83	3.99	2.74	6.66	0.99	2.78	4.28	38.38
1906	2.62	2.79	3.83	2.77	4.97	4.47	3.15	0.52	0.79	4.70	2.72	4.28	37.61
1907	2.22	1.80	3.03	3.27	2.41	2.31	2.93	1.80	7.88	4.46	5.02	3.64	40.77
1908	2.56	5.39	1.91	2.25	4.66	0.34	5.35	3.26	0.44	1.64	1.17	3.36	32.33
1909	5.30	4.61	3.96	2.94	2.34	3.03	3.22	2.18	3.65	0.79	2.64	2.48	37.14
1910	3.38	5.01	1.51	3.99	2.84	2.30	1.79	2.74	3.72	0.81	2.62	3.02	33.73
1911	2.45	3.57	4.68	1.42	0.47	2.89	3.62	3.12	4.04	4.00	3.55	3.08	36.89
1912	3.70	2.68	5.05	2.99	4.17	1.10	2 94	2.60	3.28	3.19	4.40	4.16	40.26
1913	2.81	2.67	5.78	2.26	4.23	0.34	1.65	2.71	3.55	4.81	2.23	3.78	36.82
Av.	3.58	3.45	3.88	3.02	3.29	3.10	3.80	3.52	3.65	3.62	3.71	3.56	42.18

RAINFALL AT LITTLETON, N. H. Elevation, 1 032 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1898	4.42	3.02	1.39	0.90	1.46	5.36	1.98	7.30	4.57	3.15	2.94	1.75	38.24
1899	1.56	4.43	4.98	0.86	1.16	**2.95**	4.94	0.97	3.43	2.63	4.06	2.46	34.43
1900	4.63	3.74	3.72	1.14	2.98	1.36	3.59	3.74	3.65	4.16	**5.85**	1.74	40.30
1901	1.98	1.39	3.68	2.42	3.86	3.21	5.75	2.69	1.73	**2.51**	1.91	4.51	35.64
1902	1.91	3.02	3.54	4.65	5.73	4.56	4.13	2.81	3.11	4.64	1 97	2.03	42.10
1903	2.61	3.61	4.95	1.47	0.07	5 72	4.30	**2.22**	0.88	2.99	1.29	2.21	32.32
1904	4.12	1.48	2.31	3.77	**3.72**	**2.54**	**3.24**	4.94	6.60	2.81	**1.68**	**1.46**	38.67
1905	2.66	**0.92**	**2.20**	**1.91**	**2.65**	**4.14**	3.57	7.31	4.63	1.09	**1.86**	4.90	37.84
1906	1.45	1.86	2.07	**1.33**	**4.60**	4.48	3.08	3.41	...	...	...	...	...
Av.	2.99	2.70	3.35	2.14	2.70	3.73	3.94	3.99	3.57	3.00	2.70	2.63	37.44

RAINFALL AT MANCHESTER, N. H. Elevation, 200 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1875	3.20	1.50	3.90	0.60	2.68	4.21	2.44	3.90	2.73	4.47	3.05	0.56	33.24
1876	0.54	1.98	4.26	2.41	3.00	2.13	4.79	0.40	4.06	1.25	2.94	**4.31**	32.07
1877	1.36	0.53	4.41	3.29	1.92	1.47	3.31	4.46	0.61	7.05	6.13	0.37	34.91
1878	4.94	3.39	3.01	6.92	0.25	4.23	2.88	4.62	0.81	4.55	6.21	4.70	46.51
1879	0.11	1.45	0.78	2.38	3.44	5.23	4.00	4.36	3.08	0.97	2.34	2.35	30.49
1880	3.02	1.49	0.68	2.51	1.45	1.87	5.03	1.37	1.65	3.67	2.22	2.34	27.30
1881	2.95	3.52	3.50	1.50	3.59	3.12	3.83	0.88	3.84	3.32	3.66	5.20	38.91
1882	3.20	4.48	2.99	1.11	5.05	2.41	2.58	0.16	7.03	1.60	0.53	2.00	33.14
1883	3.00	2.48	1.70	2.40	3.79	1.60	5.44	0.95	2.20	4.22	1.72	1.97	31.47
1884	4.63	5.22	4.23	3.00	3.00	1.37	1.95	3.93	1.47	1.78	3.02	5.01	38.61
1885	5.82	3.41	1.60	3.13	2.65	2.94	2.89	4.43	1.18	3.60	4.24	2.64	38.53
1886	5.65	5.37	3.02	2.36	2.22	2.21	2.29	2.50	2.71	2.56	3.02	3.32	37.23
1887	4.11	4.12	4.11	3.15	2.62	3.77	7.12	6.30	0.79	2.11	3.43	3.10	44.73
1888	3.68	4.48	5.00	3.60	3.83	0.71	1.30	3.90	7.97	5.27	4.09	3.88	47.71
1889	3.06	2.03	2.50	2.82	2.39	2.82	5.18	1.40	3.04	3.84	5.40	3.92	38.40
1890	2.66	3.75	6.41	1.77	4.33	2.65	3.25	4.08	4.45	6.72	1.34	3.15	44.56
1891	6.22	3.47	4.63	1.65	1.54	3.46	3.01	1.77	1.33	2.26	1.96	3.95	35.25
1892	3.80	2.00	2.55	0.81	6.14	4.47	1.89	5.34	1.51	0.96	4.47	0.95	34.89
1893	2.47	5.65	2.78	2.36	4.98	1.55	1.50	4.35	1.88	3.96	2.14	4.31	37.93
1894	2.34	2.49	1.19	2.11	4.63	0.41	2.47	0.89	3.11	2.71	2.24	2.08	26.67
1895	2.54	0.60	2.90	4.72	2.39	2.87	5.18	2.66	2.05	4.42	6.38	3.44	40.15
1896	2.41	4.28	6.97	0.95	2.60	0.92	2.22	3.17	5.41	3.09	2.66	1.57	36.25
1897	3.64	2.51	3.69	2.48	4.00	6.56	6.46	4.12	1.34	0.53	6.25	5.06	46.64
1898	6.84	3.02	1.37	4.85	3.10	2.97	1.50	4.70	3.44	6.77	5.04	2.45	46.05
1899	3.28	3.19	7.07	1.83	1.34	1.91	3.97	1.32	6.34	1.23	2.29	1.49	35.26
1900	4.91	8.78	5.55	1.59	2.71	1.61	1.14	2.60	3.17	3.46	8.47	2.92	46.91
1901	2.20	0.78	5.18	6.90	6.12	1.32	2.90	5.63	2.25	4.00	1.53	8.29	47.10
1902	2.22	2.28	6.18	5.57	3.47	3.59	3.64	4.63	5.01	5.41	0.87	5.45	48.32
1903	3.39	4.08	5.77	1.92	0.57	9.31	3.54	2.62	2.00	3.54	1.69	3.58	42.01
1904	3.65	1.87	2.41	8.55	3.72	2.48	1.40	3.01	4.24	1.05	1.78	1.98	36.14
1905	4.07	1.59	3.21	2.08	1.83	5.65	2.03	3.95	6.40	1.14	2.04	4.62	38.61
1906	2.42	2.36	4.92	2.47	7.10	6.32	3.34	2.86	1.13	3.55	3.07	3.80	43.34
1907	3.34	1.66	1.94	2.52	2.69	3.39	4.67	1.07	9.45	3.83	4.67	3.37	42.60
1908	2.27	4.55	2.51	1.83	4.28	0.61	4.57	6.01	1.16	2.06	0.91	3.31	34.07
1909	3.86	4.98	3.27	3.83	1.58	2.14	1.28	3.10	4.56	0.95	2.73	3.38	35.66
1910	3.94	4.94	1.55	2.96	1.40	3.33	2.87	1.74	3.17	0.95	2.47	2.31	31.63
1911	2.15	2.70	4.09	1.82	1.26	2.01	4.14	4.34	2.45	4.26	3.21	3.23	35.66
1912	2.66	2.17	5.92	2.82	5.23	0.59	3.24	2.65	3.49	2.74	3.30	4.11	38.92
1913	1.97	2.62	5.45	2.34	3.36	0.26	1.10	3.10	3.63	5.85	1.90	2.99	34.57
Av.	3.30	3.12	3.67	2.87	3.14	2.83	3.24	3.16	3.23	3.22	3.22	3.27	38.27

RAINFALL AT MT. WASHINGTON, N. H. Elevation, 6 293 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1859	...	...	...	...	...	3.87	5.47	7.67	...	...	...	...	....
1871	...	...	...	...	...	...	...	...	3.71	6.10	3.42	0.85	...
1872	1.67	0.30	0.89	0.07	4.64	18.46	3.59	6.41	9.56	5.53	4.01	1.38	56.51
1873	3.39	5.20	5.81	2.72	4.55	3.20	13.54	5.81	13.66	9.23	5.50	5.95	78.56
1874	4.40	2.47	6.71	5.74	6.53	13.44	7.97	9.51	5.52	3.02	2.34	3.07	70.72
1875	1.82	1.00	2.13	2.00	2.50	6.83	7.40	7.95	11.34	6.30	2.67	3.84	55.78

RAINFALL AT MT. WASHINGTON, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	2.80	3.50	6.21	3.12	7.83	9.32	14.51	2.20	14.89	3.21	3.49	6.48	77.56
1877	2.06	0.33	11.64	3.40	3.72	8.78	11.27	11.11	2.79	7.75	17.55	6.01	86.41
1878	8.54	5.88	10.66	23.41	9.28	7.67	11.00	11.35	7.37	5.78	4.78	8.77	114.49
1879	7.13	7.01	7.51	6.79	4.40	11.84	10.23	9.55	6.53	5.03	9.53	5.56	91.11
1880	4.24	2.56	4.87	3.47	5.51	5.86	7.24	5.82	15.23	7.96	9.37	7.80	79.93
1881	3.94	6.62	8.51	5.08	12.50	7.03	9.93	11.96	6.13	18.38	15.10	15.95	121.13
1882	7.20	5.94	14.52	11.20	8.91	11.40	10.03	2.81	13.32	6.19	3.25	2.64	97.41
1883	4.16	5.65	4.18	6.29	9.10	11.30	11.14	6.06	6.90	5.55	3.72	2.66	76.71
1884	2.45	7.55	4.16	3.29	9.54	8.08	23.90	8.63	7.58	12.91	7.99	4.70	100.78
1885	5.49	1.87	0.95	2.66	2.29	11.34	11.34	14.26	5.56	11.11	6.67	4.83	78.37
1886	4.85	9.03	3.11	3.36	3.25	6.09	6.30	8.34	8.52	5.09	6.48	3.10	67.52
1887	4.27	1.59	2.88	5.17	4.23	9.78	15.16	5.51	4.03	...	...	...	...
1888	...	...	...	...	...	...	6.58	14.31	9.48	...	...	...	...
1889	...	...	...	...	...	...	13.18	7.78	7.01	...	...	...	...
1890	...	...	...	...	...	...	7.00	15.39	9.31	...	...	...	...
Av.	4.28	4.33	6.12	5.51	6.30	9.37	10.63	8.12	8.99	7.54	6.83	5.51	83.53

RAINFALL AT NASHUA, N. H. Elevation, 125 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1884	4.99	4.55	4.84	4.03	3.22	2.28	2.07	4.42	1.31	1.72	2.00	4.73	40.16
1885	4.77	3.75	0.83	3.15	3.39	4.59	2.76	5.75	1.48	3.91	4.20	2.58	41.16
1886	5.86	5.71	2.99	1.62	2.70	1.79	3.12	2.71	4.13	2.37	4.66	4.51	42.17
1887	5.43	4.83	4.43	3.37	1.87	3.34	7.95	5.50	1.18	2.36	3.31	4.07	47.64
1888	4.21	4.17	5.06	3.25	2.64	1.67	1.63	4.02	9.54	6.35	4.37	3.94	50.85
1889	3.42	1.72	2.17	2.76	4.19	1.84	7.00	2.36	3.34	4.64	5.65	3.24	42.33
1890	2.57	4.21	7.11	1.42	4.88	3.39	3.85	5.86	6.01	7.39	1.30	5.03	53.02
1891	6.61	4.25	5.43	2.95	2.13	3.33	3.28	1.60	1.58	2.33	2.18	3.50	39.17
1892	4.54	2.71	3.11	0.51	5.39	3.78	2.29	5.28	1.49	1.09	5.25	0.96	36.40
1893	2.29	7.23	2.79	2.68	6.27	2.71	1.84	4.86	1.82	3.35	1.92	4.81	42.57
1894	2.84	2.95	0.93	2.49	3.58	0.34	3.36	0.49	3.03	3.02	3.03	3.44	29.50
1895	3.00	1.03	2.71	3.88	3.12	2.29	3.48	3.36	2.46	6.50	5.93	3.16	40.92
1896	1.93	5.61	6.45	1.00	2.02	1.78	2.52	3.40	5.88	2.85	2.52	1.87	37.83
1897	4.19	2.88	3.73	1.88	4.48	5.12	4.45	3.98	2.07	1.00	6.60	5.45	45.83
1898	5.84	4.57	1.47	4.74	2.92	3.25	5.04	6.56	1.81	6.57	5.32	3.05	51.14
1899	3.51	3.15	7.67	2.02	1.91	4.01	3.01	2.25	4.45	1.92	1.87	1.35	37.12
1900	4.46	8.19	6.73	1.80	3.06	1.90	1.49	4.11	3.63	2.76	5.50	2.96	46.59
1901	2.02	0.91	4.42	8.02	6.05	1.66	2.91	3.30	2.02	3.13	1.70	7.61	43.75
1902	2.15	4.27	5.32	5.54	3.08	2.05	3.33	7.12	4.17	5.96	0.77	6.16	49.92
1903	3.05	4.18	5.29	2.92	0.63	7.69	2.90	2.84	2.82	4.56	1.92	3.00	41.80
1904	4.14	1.99	2.75	8.15	2.95	2.39	1.85	4.52	4.18	0.94	1.45	2.31	37.62
1905	4.99	1.57	3.43	2.35	0.82	5.01	1.31	4.19	4.86	1.05	1.42	4.05	35.05
1906	2.35	2.51	5.29	2.75	7.22	5.83	3.98	2.46	0.84	2.24	2.69	4.05	42.21
1907	1.99	1.87	1.80	2.47	2.16	2.40	4.68	1.46	8.42	4.04	5.06	4.26	40.61
1908	2.82	4.80	2.61	1.96	4.23	0.96	4.30	7.42	0.63	1.92	0.97	2.87	35.49
1909	3.52	5.44	2.84	4.36	1.69	1.80	2.17	2.50	3.71	1.32	2.29	4.24	35.88
1910	4.49	6.12	1.27	2.44	1.38	3.48	2.11	2.37	2.06	1.34	3.05	1.84	31.95
1911	2.14	2.71	3.97	1.93	1.47	1.92	5.26	5.17	2.40	3.66	3.72	3.26	37.61
1912	3.29	2.31	5.69	3.41	4.05	0.26	5.43	2.34	1.49	1.77	3.08	3.82	36.94
1913	2.03	2.70	5.00	2.68	3.69	0.73	1.31	3.59	3.49	7.10	2.29	2.96	37.57
Av.	3.65	3.76	3.94	3.08	3.24	2.79	3.36	3.86	3.21	3.30	3.20	3.64	41.03

RAINFALL AT NEWTON, N. H. Elevation, 200 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	2.58	3.51	5.61	1.43	6.09	3.06	4.07	4.24	3.14	7.99	1.40	4.23	47.35
1891	6.39	3.74	3.96	2.44	2.54	4.28	2.70	2.23	1.05	3.55	1.91	3.16	37.95
1892	4.35	1.86	1.42	0.56	5.14	3.94	2.11	4.29	2.06	1.33	4.82	1.08	32.96
1893	1.71	4.63	2.07	2.70	6.50	2.42	2.98	4.75	1.58	4.63	1.81	4.87	40.65
1894	2.07	1.61	0.96	1.58	4.10	0.53	3.68	0.62	4.90	5.39	2.83	2.38	30.65
1895	3.05	0.25	2.44	3.60	1.49	1.65	5.44	2.69	2.81	7.45	6.11	2.32	39.30
1896	1.62	5.84	4.44	1.32	2.27	1.62	3.71	2.37	7.09	3.28	3.22	1.48	38.26
1897	4.05	2.22	3.81	1.95	4.59	6.61	4.22	3.33	3.16	0.15	6.96	4.66	45.71
1898	6.12	3.61	1.15	5.97	4.22	3.46	1.68	6.36	2.37	7.63	5.53	2.84	50.94
1899	3.11	2.61	6.66	1.90	1.25	2.45	3.82	1.67	4.83	1.98	2.40	1.68	34.36
1900	5.70	9.80	6.79	1.54	3.74	0.82	1.88	2.98	5.81	4.00	5.13	2.06	50.25
1901	1.33	0.58	5.43	9.40	6.31	1.39	3.25	2.99	4.06	2.90	2.80	7.29	47.73
1902	1.99	5.29	5.00	5.52	2.30	3.29	3.68	4.09	3.62	5.24	0.86	4.48	45.36
1903	3.63	3.03	5.99	3.50	0.74	9.60	2.87	3.12	1.52	4.06	1.59	2.70	42.35
1904	4.13	2.33	2.40	8.59	3.29	3.21	1.69	2.98	5.62	1.25	1.61	1.95	39.05
1905	4.85	1.65	2.42	2.59	1.37	4.55	2.42	2.95	5.77	1.15	2.42	3.66	35.80
1906	2.52	1.62	4.67	3.14	6.59	5.61	5.43	1.45	0.95	1.89	3.56	4.47	41.90
1907	2.24	2.06	1.60	2.95	1.78	3.84	3.41	1.18	7.85	3.79	5.72	3.76	40.18
1908	3.30	4.31	2.40	2.28	4.44	0.77	3.38	5.62	0.81	4.15	1.13	2.62	35.21
1909	3.61	4.89	3.66	4.25	1.57	1.21	2.49	3.38	4.88	1.02	3.12	3.56	37.64
1910	4.20	4.69	1.39	2.25	1.79	4.48	1.67	2.47	1.83	2.04	2.76	1.91	31.48
1911	2.19	2.67	4.05	1.53	0.68	2.40	4.27	4.41	2.14	2.92	4.10	3.73	35.09
1912	2.55	2.23	5.46	3.45	3.96	0.12	4.87	2.51	2.90	1.84	3.30	3.84	37.03
1913	2.10	3.06	4.63	3.22	3.27	0.28	1.09	2.49	2.28	9.15	2.01	3.43	37.01
Av.	3.31	3.25	3.69	3.24	3.34	2.98	3.20	3.13	3.46	3.70	3.21	3.26	39.77

RAINFALL AT NORTH CONWAY, N. H. Elevation, 575 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1888	4.88	4.57	5.54	2.47	3.22	2.90	2.16	3.87	5.40	8.48	6.32	3.56	53.37
1889	5.10	2.71	1.42	2.45	2.06	3.74	6.02	3.02	3.43	4.97	5.42	5.46	45.80
1890	3.07	3.96	2.76	1.99	5.32	4.21	4.72	6.05	5.24	5.60	1.72	5.98	50.62
1891	6.31	4.02	6.22	3.16	1.93	2.29	5.39	5.09	0.86	2.44	1.56	6.60	45.87
1892	5.72	1.94	2.37	0.44	5.16	5.62	1.54	4.27	3.83	1.79	4.33	0.65	37.66
1893	3.12	7.51	2.84	2.55	5.96	1.71	1.00	6.04	2.95	4.50	1.60	2.86	42.64
1894	1.20	3.00	2.43	1.10	5.95	2.35	2.53	2.35	5.00	3.64	2.20	3.60	35.35
1895	2.00	1.10	0.80	10.08	2.85	2.35	2.25	2.68	2.25	1.90	6.23	6.88	41.37
1896	0.85	6.00	9.86	1.46	3.35	2.40	2.75	3.60	5.97	4.18	5.30	1.90	47.62
1897	5.24	4.08	4.12	2.43	6.55	5.27	7.89	2.30	1.45	1.30	5.80	4.49	50.92
1898	6.00	6.33	0.30	2.45	2.55	3.60	1.27	0.70	3.35	5.64	3.72	3.05	38.96
1899	3.25	3.02	5.60	0.75	1.28	1.65	4.25	2.35	3.00	1.90	2.40	3.10	32.55
1900	5.75	9.42	8.01	0.90	3.00	2.80	1.90	2.60	1.78	2.12	7.70	2.06	48.04
Av.	4.04	4.44	4.02	2.48	3.78	3.14	3.36	3.46	3.42	3.73	4.18	3.86	43.91

RAINFALL AT PETERBORO, N. H. Elevation, 744 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	**4.41**	**2.42**	2.29	0.45	6.39	4.72	3.01	7.09	1.63	0.60	5.22	0.95	39.18
1893	2.52	6.43	2.37	**2.49**	**4.80**	**2.20**	1.71	6.16	1.86	3.95	1.77	5.73	41.99
1894	2.58	3.34	0.64	3.17	3.77	2.90	3.27	2.29	5.11	3.82	2.59	2.93	36.41
1895	3.04	1.30	2.19	4.40	2.31	2.64	4.70	2.67	2.99	6.52	6.10	3.58	42.44
1896	1.39	4.94	8.35	0.65	2.08	1.59	3.27	1.84	5.31	4.24	2.40	1.33	37.39
1897	3.35	3.23	3.33	2.08	4.03	7.21	9.28	2.77	1.66	0.64	6.12	5.48	49.18
1898	6.82	4.09	0.57	3.93	4.59	3.69	1.61	6.05	2.99	7.09	6.22	3.82	51.47
1899	2.26	3.67	7.09	2.06	1.41	3.97	4.40	2.57	5.19	2.09	2.16	1 74	38.61
1900	4.68	8.13	5.85	1.83	2.82	2.51	2.21	4.35	4.15	3.47	7.12	3.10	50.22
1901	2.10	1.01	5.07	9.35	5.65	1.16	4.20	6.36	2.36	3.74	1.98	7.94	50.92
1902	2.74	3.69	4.95	6.21	2.52	3.15	3.85	4.64	4.52	4.88	0.99	7.09	49.23
Av.	3.26	3.84	3.88	3.33	3.67	3.25	3.78	4.25	3.44	3.73	3.88	3.97	44.28

RAINFALL AT PLYMOUTH, N. H. Elevation, 500 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1888	4.17	5.09	7.19	3.59	3.97	3.17	1.58	3.91	8.06	5.18	5.28	2.28	53.47
1889	4.29	2.86	2.24	1.60	2.21	4.61	4.67	3.17	4.63	4.14	4.66	5.09	44.17
1890	3.85	4.82	4.41	2.19	6.24	2.95	4.46	5.60	5.63	4.93	2.05	3.94	51.07
1891	6.09	3.35	3.85	2.31	2.28	2.86	5.58	5.29	1.23	1.66	3.26	5.45	43.21
1892	5.01	1.93	1.67	1.04	5.53	6 76	1.66	10.85	1.10	1.90	4.29	0.95	42.69
1893	2.48	5.73	2.78	2.42	2.94	1.92	2.27	6.01	1.92	5.46	2.57	4.02	40.52
1894	2.01	2.75	1.84	1.67	4.36	3.70	2.43	3.12	4.32	3.83	2.27	1.88	34.18
1895	2.47	0.30	1.66	7.21	2.46	3.75	3.12	3.99	3.53	2.00	5.26	5.52	41.27
1896	0.39	5.51	7.83	0.94	1.69	1.34	2.92	3.61	5.55	5.09	5.26	1.07	41.20
1897	3.27	2.79	3.49	1.60	4.57	5.49	6.77	2.53	0.92	1.87	5.17	4.80	43.27
1898	5.38	3.56	1.26	2.83	2.90	2.92	2.31	5.29	4.47	3.98	3.64	1.72	40.26
1899	2.83	2.06	5.70	1.77	1.17	2.74	3.44	2.87	3.09	1.78	1.54	1.78	30.77
1900	4.86	6.44	4.75	0.65	1.72	2.44	3.22	2.42	1.61	3.94	6.15	0.97	39.17
1901	1.52	0.42	4.30	4.48	5.94	1.75	6.79	4.37	2.42	1.37	1.77	6.20	41.33
1902	2.27	1.83	4.37	3.41	3.02	4.52	3.20	3.86	5.72	4.27	1.16	5.22	42.85
1903	3.92	3.14	5.29	1.33	0.15	6.34	4.44	3.28	0.73	3.94	1.50	2.53	36.59
1904	2.05	1.32	2.84	5.58	5.14	2.26	4.14	4.18	6.40	3.04	0.84	1.36	39.15
1905	3.30	1.52	2.86	1.83	1.66	4.66	4.04	4.80	8.76	2.17	2.51	3.22	41.33
1906	2.42	2.32	3.15	2.38	5.27	3.87	3.64	1.59	1.50	4.03	1.94	2.68	34.79
1907	2.03	1.24	2.85	3.60	2.84	3.24	2.91	1.35	7.14	5.36	4.26	3.88	40.70
1908	2.05	3.21	1.67	2.81	5.46	0.68	5.18	4.57	0.94	1.07	1.25	2.95	31.84
1909	3.98	4.90	2.82	2.98	3.04	2.86	2.69	1.60	3.70	1.62	2.49	1.58	34.26
1910	4.05	3.77	1.10	4.11	3.41	3.65	1.91	3.79	5.08	1.48	2.28	2.64	37.27
1911	2.43	2.67	3.83	1.31	0.76	2.91	4.36	2.53	5.25	4.51	3.15	2.88	36.59
1912	2.41	1.71	4.20	3.01	4.69	1.11	3.21	5.38	3.16	3.91	3.54	3.47	39.80
1913	3.24	2.19	6.11	1.54	3.73	0.99	2.85	1.65	2.91	4.59	2.46	2.91	35.17
Av.	3.18	2.98	3.62	2.62	3.35	3.21	3.61	3.91	3.84	3.35	3.10	3.11	39.88

RAINFALL AT SANBORNTON, N. H. Elevation, 830 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	2.41	3.42	2.23	1.78	4.41	2.41	2.18	3.81	2.28	5.07	1.56	3.03	34.59
1894	1.82	1.62	1.17	1.69	4.58	1.83	2.68	2.42	3.45	3.05	1.27	1.83	27.41
1895	1.96	0.32	1.28	5.34	3.86	2.38	3.82	4.40	3.33	2.62	5.58	3.30	38.19
1896	0.55	3.81	6.41	1.02	2.83	3.04	3.41	4.04	5.01	5.36	4.01	0.84	40.33
1897	3.30	2.13	3.24	2.55	4.91	7.89	8.55	2.79	1.32	1.25	5.65	4.67	48.25
1898	4.74	3.04	0.79	3.25	3.40	4.08	2.97	3.91	4.35	5.19	4.30	2.97	42.99
1899	2.32	2.89	6.30	1.54	1.22	1.97	5.94	1.60	3.14	1.51	2.02	1.43	31.88
1900	5.25	7.24	5.36	1.27	2.10	1.74	2.23	2.57	3.54	2.91	5.28	1.87	41.36
1901	1.52	0.60	3.00	3.36	6.27	1.96	4.81	4.85	3.17	3.82	1.53	5.93	40.82
1902	2.49	1.78	4.68	3.83	2.78	4.17	4.11	6.14	5.11	4.13	1.30	5.43	45.95
Av.	2.64	2.68	3.45	2.56	3.64	3.15	4.07	3.65	3.47	3.49	3.25	3.13	39.18

RAINFALL AT STRATFORD, N. H. Elevation, 1 000 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1858	...	...	...	3.21	3.67	2.95	4.36	4.20	4.93	5.72	2.84	2.60	....
1859	1.81	1.28	4.63	1.93	1.87	6.18	2.59	1.99	4.29	1.40	3.02	4.33	35.32
1860	1.22	1.59	2.62	1.18	1.01	3.22	3.77	4.53	2.71	3.13	3.22	2.70	30.90
1861	2.75	2.90	5.27	3.41	5.10	3.94	4.47	4.29	3.79	5.54	1.56	2.08	45.10
1862	4.09	4.40	3.70	3.08	1.48	2.03	2.27	4.07	3.91	3.36	4.97	2.62	39.98
1863	5.45	2.34	3.65	2.31	3.67	2.70	8.97	3.04	2.88	3.98	2.76	3.75	45.50
1864	3.50	2.34	1.58	1.30	4.75	1.29	3.05	5.75	5.11	4.09	3.78	5.19	41.73
1865	3.00	2.32	4.69	3.54	4.48	3.23	5.42	1.68	1.51	2.42	3.11	3.11	38.51
1866	3.00	3.00	3.39	2.32	3.73	4.87	6.68	5.00	6.78	4.17	4.62	2.89	50.45
1867	1.45	2.30	6.98	4.07	6.23	2.03	4.76	5.46	0.60	3.46	1.51	2.15	41.00
1868	2.20	2.00	2.25	2.95	3.84	2.30	3.05	2.42	6.17	1.29	6.88	2.45	37.80
1869	2.98	5.40	3.60	2.63	3.97	4.39	2.36	3.17	3.39	8.49	2.93	4.58	47.89
1870	4.36	5.19	2.44	2.22	2.48	1.63	2.47	3.86	1.45	4.47	5.48	1.70	37.75
1871	2.25	2.72	4.34	4.60	2.94	1.62	3.29	5.15	1.30	4.80	2.08	2.91	38.00
1872	1.05	2.36	4.65	1.54	5.44	4.40	5.95	9.62	4.11	3.11	4.88	3.50	50.61
1873	3.58	2.40	4.26	1.83	2.08	1.79	3.51	1.73	4.94	6.58	3.54	2.57	38.81
1886	...	...	...	...	...	...	2.85	4.21	3.65	1.46	5.21	2.76	...
1887	3.22	3.04	1.46	3.10	2.00	4.82	7.10	2.23	2.12	2.87	2.09	4.33	38.38
1888	1.89	2.13	3.85	0.94	2.86	2.93	1.75	6.00	5.30	3.44	5.54	2.30	38.93
1889	1.77	0.77	2.48	0.98	2.24	5.03	4.00	1.81	6.52	2.96	3.66	3.92	36.14
1890	3.33	2.89	3.06	1.47	7.00	3.88	3.04	6.46	3.18	3.19	3.30	2.90	43.70
1891	4.65	2.18	2.04	1.84	2.68	1.79	4.88	2.75	1.43	0.92	2.62	3.46	31.24
1892	4.20	0.70	1.51	0.90	2.63	8.86	5.40	6.93	1.96	2.17	2.83	1.33	39.42
1893	0.87	3.21	2.45	1.82	2.67	2.86	2.89	2.31	2.18	2.37	1.11	3.04	27.78
1894	2.56	1.28	1.44	2.41	3.00	3.37	3.33	2.15	3.58	2.70	1.96	1.70	29.48
1895	0.76	0.63	1.18	4.31	3.62	4.47	3.43	4.40	2.19	2.09	5.64	3.40	36.12
1896	0.67	3.48	4.52	1.21	2.38	2.79	5.95	3.19	4.01	3.39	3.60	0.96	36.15
1897	2.23	1.46	2.84	2.90	4.92	5.80	10.00	2.88	2.36	1.37	5.75	3.41	45.92
1898	3.12	2.28	1.50	2.13	2.10	3.97	2.46	5.53	6.27	3.40	2.29	1.37	36.42
1899	2.08	2.90	3.57	0.65	1.38	2.62	4.10	0.67	2.30	1.57	1.93	2.08	25.85
1900	3.03	5.11	2.89	0.85	4.28	3.11	4.78	3.49	4.33	5.07	5.82	1.87	44.63
1901	2.34	0.88	3.21	2.42	3.62	4.33	4.40	3.20	2.74	2.47	1.93	4.42	35.96
1902	1.08	1.60	3.79	2.74	5.43	5.04	3.14	5.16	5.22	4.06	1.87	3.63	42.76
1903	2.38	2.84	3.98	1.12	0.18	3.18	3.27	2.70	0.52	2.30	1.11	1.79	25.37
1904	1.16	1.36	2.65	3.20	4.14	1.60	4.20	4.21	6.40	1.89	0.98	1.31	33.10
1905	2.05	0.85	2.14	1.82	2.73	3.30	4.80	5.60	4.30	0.57	2.44	3.23	33.83

RAINFALL AT STRATFORD, N. H. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	...	...	...	...	...	...	...	3.44	3.43	3.87	1.41	1.90	....
1907	1.85	0.82	2.27	2.43	1.73	8.54	6.26	1.92	5.80	4.97	2.42	3.46	42.47
1908	1.67	2.00	2.13	2.10	3.74	3.97	4.63	5.12	0.89	1.50	1.69	2.40	31.84
Av.	2.49	2.36	3.14	2.23	3.29	3.66	4.35	3.90	3.51	3.21	3.19	2.86	38.19

RAINFALL AT WEIRS, N. H. Elevation, 500 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1857	2.02	3.56	2.63	6.26	6.55	3.42	3.38	7.11	1.88	5.29	2.75	4.23	49.08
1858	3.25	1.97	1.76	3.20	3.22	2.38	4.67	4.14	5.05	6.98	2.35	3.58	42.55
1859	5.94	3.02	7.16	3.22	2.20	5.63	2.75	1.71	4.33	2.11	3.87	4.74	46.68
1860	0.70	3.62	2.09	1.35	1.94	3.86	5.05	4.24	4.63	3.28	5.74	3.93	40.43
1861	4.97	2.53	2.69	2.86	4.15	2.09	3.70	1.86	3.71	5.19	4.99	2.72	41.46
1862	6.37	3.97	4.99	2.05	2.57	4.41	3.19	4.67	3.65	4.42	6.08	2.90	49.27
1863	5.24	3.72	5.60	4.20	2.42	1.39	8.16	4.56	2.93	3.74	4.98	5.41	52.35
1864	2.83	1.77	4.01	3.41	2.86	0.51	0.98	4.73	2.89	3.97	5.63	4.64	38.23
1865	4.52	2.26	4.19	4.87	5.35	2.02	4.44	2.40	2.15	3.89	2.14	3.56	41.79
1866	1.80	4.71	3.06	1.57	3.47	3.45	3.75	3.62	5.84	2.40	3.29	3.11	40.07
1867	1.09	3.65	2.98	4.89	4.34	3.74	2.82	6.97	1.18	3.73	2.23	2.13	39.75
1868	2.97	1.12	1.09	2.67	8.16	2.02	4.11	2.99	10.18	0.49	6.47	2.05	44.32
1869	3.05	6.68	5.79	2.49	3.71	2.28	2.94	2.71	3.12	11.80	2.04	4.94	51.55
1870	6.23	6.27	4.89	6.39	1.38	1.77	3.39	1.58	1.40	3.96	3.18	1.80	42.24
1871	1.85	2.47	3.84	3.39	4.31	2.41	3.93	3.45	1.83	4.10	4.82	3.57	39.97
1872	1.74	3.76	2.77	1.75	3.28	5.83	2.82	8.22	6.89	2.28	4.89	3.19	47.42
1873	4.73	2.20	3.88	0.56	0.83	1.95	8.22	1.09	5.22	6.64	3.37	3.20	41.89
1874	2.34	3.70	0.84	2.61	4.50	4.00	7.98	2.43	5.62	1.78	3.30	1.29	40.39
1875	3.76	4.90	4.04	2.68	2.85	5.16	2.42	6.62	2.71	6.21	4.22	1.30	46.87
1876	2.94	5.67	9.76	2.77	2.34	5.05	5.52	0.36	4.31	0.97	2.85	3.70	46.24
1877	2.40	0.33	5.11	2.96	1.93	2.86	4.90	4.08	1.20	6.57	7.26	1.45	41.05
1878	4.50	1.88	2.50	5.67	0.99	5.76	2.57	4.23	1.35	4.48	5.48	7.38	46.79
1879	2.89	3.33	5.82	2.62	1.46	6.15	3.39	4.37	3.38	1.11	4.12	3.93	42.57
1880	5.23	2.47	1.66	2.68	2.97	2.65	3.28	1.55	2.52	4.67	3.65	2.99	36.32
1881	4.17	3.23	4.76	1.43	3.99	2.76	5.59	3.39	3.13	4.08	3.61	5.76	45.90
1882	3.74	2.85	3.20	1.34	4.77	4.72	1.92	0.55	8.09	1.43	0.74	2.74	36.09
1883	1.97	3.98	1.41	2.63	3.21	3.27	5.87	1.62	3.34	4.69	2.59	3.11	37.69
1884	2.80	4.87	4.63	3.33	2.94	0.80	4.94	4.08	0.95	2.42	3.14	3.67	38.57
1885	4.47	3.63	1.42	2.49	2.00	3.02	4.15	7.42	1.48	2.37	4.58	4.74	41.77
1886	3.93	4.49	3.19	1.54	2.72	2.38	4.47	3.54	4.17	3.58	4.63	4.26	42.90
1887	3.58	5.35	3.18	2.50	1.99	5.90	5.48	3.69	1.28	1.27	3.64	4.67	42.53
1888	4 32	4.31	2.79	3.39	4.44	2.07	1.13	4.11	9.31	5.66	5.68	2.34	49.55
1889	4.24	2.06	2.69	1.91	2.42	4.21	3.23	1.71	5.11	3.87	4.71	4.41	40.57
1890	4.07	4.12	4.90	2.28	6.34	2.37	4.76	5.60	6.91	4.32	1.60	4.87	52.14
1891	6.74	3.94	4.40	1.76	2.66	3.49	5.23	4.07	0.96	2.29	2.20	4.34	42.08
1892	3.80	1.48	1.38	0.90	6.04	6.27	2.16	9 31	2.45	1.40	4.17	0.93	40.29
1893	2.89	6.07	2.90	2.23	4.13	2.41	1.61	4.01	2.36	5.20	1.63	3.98	39.42
1894	3.19	4.16	2.11	1.00	4.54	2.45	2.31	3.03	2.47	2.48	1.52	1.75	31.01
1895	3.96	1.19	2.03	5.36	1.98	3.20	3.50	3.94	3.25	3.32	4.78	3.78	40.29
1896	0.56	4.24	7.64	1.08	2.80	1.63	3.41	2.73	5.46	5.44	3.88	1.02	39.89
Av.	3.55	3.49	3.64	2.81	3.37	3.29	3.95	3.81	3.72	3.85	3.82	3.45	42.75

RAINFALL AT WEST MILAN, N. H. Elevation, 1 016 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	5.09	4.36	1.92	3.14	1.60	5.10	6.92	3.00	1.29	1.64	3.03	4.51	41.60
1888	4.40	1.42	3.54	1.41	2.09	1.80	2.18	5.54	4.63	4.68	5.85	2.47	40.01
1889	3.12	1.80	2.06	1.29	1.14	4.87	4.64	1.54	4.66	3.35	4.07	3.71	36.25
1890	4.66	1.97	3.90	1.14	5.91	6.46	3.08	7.06	3.21	3.68	3.66	3.76	48.49
1891	4.86	3.64	3.70	2.92	2.17	2.33	4.79	2.64	1.71	1.64	2.67	4.30	37.37
1892	4.57	2.05	2.26	0.69	3.19	8.74	3.66	8.38	2.74	1.88	4.91	1.55	44.62
1893	1.86	4.78	2.89	2.70	3.30	3.12	2.36	4.46	2.93	3.26	1.80	3.05	36.51
1894	3.35	4.95	2.30	2.05	3.37	4.58	3.47	1.91	2.87	2.54	3.44	3.67	38.50
1895	2.93	1.42	1.47	3.87	3.76	4.01	2.82	3.67	1.97	1.56	5.64	3.96	37.08
1896	2.30	7.83	4.38	2.66	2.23	2.52	4.34	3.50	3.74	2.52	3.38	1.37	40.77
1897	2.95	2.20	3.57	2.95	4.60	6.97	5.56	2.44	2.40	1.21	5.51	3.12	43.48
1898	4.25	4.82	...	...	...	...	...	...	...	...	...	...	...
Av.	3.65	3.31	2.91	2.26	3.03	4.59	3.98	4.01	2.92	2.54	4.00	3.23	40.43

RAINFALL AT WOLFBORO, N. H. Elevation, 500 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	1.97	0.42	5.38	3.60	2.27	2.52	5.20	5.07	0.63	5.59	6.86	1.14	40.65
1878	4.20	2.30	2.28	5.01	0.58	4.03	2.18	2.37	1.32	3.85	4.64	6.90	39.66
1879	1.08	3.43	1.96	2.73	0.65	6.19	3.90	3.81	3.75	0.86	3.58	4.33	36.27
1880	2.71	2.67	1.39	2.80	2.72	2.81	3.42	2.29	2.97	4.33	3.21	1.99	33.34
1881	5.28	3.19	3.69	1.36	4.32	3.19	5.07	1.22	3.21	3.35	2.59	5.30	41.77
1882	4.16	5.19	3.11	1.16	3.89	3.80	2.38	0.47	7.42	1.20	0.70	2.46	35.94
1883	2.41	4.08	1.54	2.60	4.16	5.32	6.92	1.68	2.42	4.24	2.42	3.27	41.06
1884	4.71	5.64	5.48	3.52	3.37	1.69	3.89	4.01	1.28	2.63	3.47	5.05	44.74
1885	4.58	5.63	1.63	2.61	2.09	4.48	5.23	7.68	0.99	3.23	6.49	4.83	49.47
1886	4.99	5.40	2.28	2.20	3.18	2.70	3.21	3.19	4.63	3.00	5.10	5.00	44.88
1887	5.19	5.63	4.69	4.45	1.92	4.78	6.09	4.40	2.18	2.10	4.22	5.47	51.12
1888	4.48	5.04	7.27	3.21	3.75	2.46	1.45	3.99	8.07	6.13	5.69	3.33	54.87
1889	5.76	2.13	3.06	2.33	1.95	3.22	5.11	1.13	3.84	3.81	6.57	2.98	41.91
1890	3.20	4.31	5.09	1.57	6.77	3.81	4.72	4.54	5.93	7.20	1.99	3.92	53.10
1891	6.44	4.22	4.16	2.59	2.21	1.87	5.85	3.76	1.18	3.67	1.56	5.11	42.62
1892	3.00	1.55	1.64	1.04	4.87	5.58	2.46	6.25	2.79	1.64	3.77	0.63	35.22
1893	1.04	3.19	1.79	1.73	4.17	1.93	2.24	3.10	1.68	5.19	1.63	3.95	31.64
1894	2.02	2.02	1.33	1.63	4.53	2.60	2.34	4.01	3.13	2.53	1.16	1.59	28.89
1895	2.34	0.15	1.88	5.59	2.63	1.50	3.55	4.80	3.81	2.05	5.64	3.50	37.44
1896	0.58	5.93	6.10	0.90	3.09	1.92	2.72	2.27	5.39	5.14	3.97	0.95	38.96
Av.	3.51	3.61	3.29	2.63	3.16	3.32	3.90	3.50	3.33	3.59	3.76	3.58	41.18

RAINFALL AT WOODSTOCK, N. H. Elevation, 1 000 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	5.32	3.20	2.35	1.88	1.68	5.43	5.07	12.92	2.60	4.25	5.05	5.05	54.80
1886	4.71	4.19	4.13	1.55	3.48	2.30	3.45	3.87	4.07	3.01	6.13	4.25	45.14
1887	6.90	7.35	2.52	3.45	6.20	6.73	6.70	4.83	1.70	2.80	3.31	4.71	57.20
Av.	5.64	4.91	3.00	2.30	3.79	4.82	5.07	7.21	2.79	3.35	4.83	4.67	52.38

VERMONT.

RAINFALL AT BLOOMFIELD, VT. Elevation, 900 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	...	...	...	...	...	...	...	3.44	3.43	3.87	1.41	1.90	....
1907	1.85	0.82	2.27	2.43	1.73	8.54	6.26	1.92	5.80	4.97	2.42	3.46	42.47
1908	1.67	2.00	2.13	2.10	3.74	3.97	4.63	5.12	0.89	1.50	1.69	2.40	31.84
1909	4.11	4.02	1.79	4.50	4.39	2.40	3.25	2.05	5.57	1.68	1.79	0.93	36.48
1910	3.14	2.73	1.28	3.58	4.94	3.74	4.17	3.72	3.47	2.07	1.44	1.74	36.02
1911	1.43	1.50	3.21	1.22	1.08	3.39	4.53	5.49	3.89	2.75	2.10	3.18	33.77
1912	1.63	1.42	2.85	2.77	5.74	3.43	2.56	5.16	5.24	1.77	2.93	2.43	37.93
1913	3.19	1.33	5.58	1.83	3.13	1.82	4.74	3.28	2.48	4.97	1.19	1.91	35.45
Av.	2.43	1.97	2.73	2.63	3.54	3.90	4.30	3.82	3.91	2.82	1.94	2.29	36.28

RAINFALL AT BRATTLEBORO, VT. Elevation, 335 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	**5.26**	**3.39**	0.77	3.13	2.92	2.46	2.40	6.34	1.36	4.74	5.64	2.75	41.16
1886	6.47	3.14	2.98	3.29	3.71	2.25	4.33	3.29	4.25	4.14	5.67	4.29	47.81
1887	6.58	5.60	3.63	2.50	1.88	4.20	5.44	7.68	0.95	2.46	3.42	5.28	49.62
1888	4.35	4.33	7.46	3.96	3.56	2.70	1.43	4.82	11.56	6.12	5.65	3.21	59.15
1889	5.30	1.74	1.24	2.39	2.30	4.01	8.20	4.04	3.87	4.44	7.29	4.19	49.01
1890	3.10	4.98	5.11	1.47	5.00	2.77	3.17	7.93	6.18	7.64	1.56	4.16	53.07
1891	6.92	4.17	3.89	3.69	2.27	3.58	6.26	4.80	1.29	2.75	2.87	4.95	47.44
1892	4.13	2.22	1.96	0.45	4.81	3.02	2.37	6.29	1.91	0.66	2.83	0.93	31.58
1893	2.33	5.61	2.27	2.84	4.96	2.18	1.64	6.39	2.06	3.42	1.89	2.89	38.48
1894	1.85	2.29	1.06	1.37	2.62	1.54	1.90	0.32	4.21	3.83	2.25	3.00	26.24
1895	2.73	0.64	1.96	4.18	1.26	3.86	2.11	2.40	3.37	2.25	3.86	3.80	32.42
1896	2.21	3.56	5.89	1.53	1.79	1.33	2.77	2.22	3.90	2.37	2.46	0.85	30.88
1897	2.93	1.99	2.81	2.31	2.91	4.85	12.09	2.93	1.91	1.48	7.52	6.93	50.66
1898	5.90	4.94	1.05	4.13	5.19	4.47	1.76	4.84	2.54	10.84	6.20	2.56	54.51
1899	2.96	3.21	7.95	1.48	1.24	5.23	**2.12**	1.78	3.47	1.19	2.40	2.65	35.68
Av.	4.21	3.45	3.34	2.58	3.09	3.23	3.87	4.40	3.52	3.89	4.10	3.50	43.18

RAINFALL AT BURLINGTON, VT. Elevation, 404 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1828	1.30	2.10	1.35	2.75	2.45	3.70	5.95	4.30	9.85	1.65	6.25	1.65	43.30
1832	3.56	3.22	2.31	1.96	5.71	3.41	3.52	4.76	1.81	4.05	3.01	2.27	39.59
1833	1.26	2.53	1.48	1.28	9.85	4.28	7.54	7.34	4.17	6.01	1.91	1.79	49.44
1837	...	...	...	...	...	...	4.47	2.19	3.27	3.85	3.29	1.60	....
1838	2.52	1.32	1.10	1.34	4.51	5.37	3.25	2.41	1.33	2.98	3.78	0.92	30.83
1839	0.85	1.20	1.43	1.60	2.43	3.70	6.26	1.91	2.91	0.45	2.57	2.68	27.99
1840	1.26	2.19	3.05	4.69	2.46	2.84	4.18	3.51	4.71	3.76	2.22	2.41	37.28
1841	3.49	0.80	3.23	3.54	2.28	5.16	2.87	1.40	3.62	0.83	2.47	3.02	32.71
1842	1.04	3.75	1.97	2.52	1.55	3.24	4.62	1.74	3.80	4.10	2.32	3.20	33.85
1843	0.71	1.43	2.12	0.82	2.47	4.58	2.59	2.09	1.80	5.03	1.63	1.48	26.75
1844	2.29	0.73	2.35	1.43	4.40	2.08	5.35	3.46	1.36	5.11	0.57	2.08	31.21
1845	2.38	2.52	2.48	2.22	3.39	2.08	4.51	2.37	5.62	2.26	4.00	2.21	36.04
1846	1.72	1.47	2.20	0.91	3.18	3.63	5.08	0.48	3.78	2.65	2.88	1.68	29.66
1847	2.80	1.85	2.10	3.15	1.85	5.05	4.05	3.12	4.69	3.69	2.13	4.07	38.55
1848	1.84	0.90	2.44	1.09	4.24	2.19	3.57	4.40	2.91	2.59	2.26	2.95	31.38
1849	0.79	0.41	2.14	0.47	2.74	1.41	1.73	5.69	1.33	5.32	2.69	1.63	26.35
1850	1.57	1.79	1.11	2.41	5.04	3.18	3.08	0.89	3.25	8.11	1.77	3.31	37.51
1851	1.20	1.90	0.67	1.67	2.29	7.33	3.81	1.92	2.06	3.56	3.59	1.83	31.83
1852	1.03	1.69	1.92	1.15	0.71	4.76	4.99	1.50	1.80	4.11	2.90	2.26	28.82

RAINFALL AT BURLINGTON, VT. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1853	1.22	3.94	1.70	2.25	3.95	1.74	3.12	3.46	5.67	3.04	2.17	0.79	33.05
1854	1.82	1.65	1.69	3.60	1.62	2.88	1.60	0.61	4.44	2.26	2.17	1.11	25.45
1855	1.95	0.98	0.72	2.22	0.34	6.47	8.43	2.94	4.50	5.97	1.28	2.50	38.30
1856	0.96	0.18	0.51	1.36	2.83	1.67	1.67	9.13	3.43	2.28	1.79	1.01	26.82
1857	**2.60**	**2.90**	**4.50**	**3.00**	**2.80**	**3.25**	**3.50**	**3.00**	**2.95**	**4.18**	**2.50**	**2.07**	37.25
1858	1.64	**3.00**	**1.50**	1.82	2.68	2.27	4.65	2.12	2.51	2.62	2.40	**3.00**	30.21
1859	**1.07**	**2.05**	**4.25**	**1.25**	**2.75**	**4.00**	**2.25**	**3.06**	**4.50**	**2.50**	**2.85**	**4.77**	35.30
1860	3.00	1.25	1.63	0.62	1.60	1.25	4.28	5.28	4.84	3.63	5.24	1.26	33.88
1861	3.00	2.87	3.93	5.00	3.78	2.20	6.78	1.82	2.97	5.94	2.69	1.58	42.56
1862	2.46	3.20	4.16	1.18	0.76	2.00	4.30	7.48	3.38	3.84	2.50	1.48	37.74
1863	3.47	1.98	2.75	1.55	6.88	1.95	5.76	2.41	5.30	3.90	2.27	2.96	41.18
1864	1.48	0.80	2.20	2.55	3.13	1.51	2.85	5.86	5.49	4.67	3.10	2.40	36.04
1865	2.50	1.30	2.08	2.75	3.34	4.37	5.88	1.95	2.44	2.22	1.90	1.70	32.43
1866	1.50	2.02	1.38	2.42	2.92	5.47	4.83	6.47	5.95	1.65	2.65	2.00	39.26
1867	1.50	0.70	1.30	2.42	7.70	1.55	2.14	2.63	3.23	2.57	0.85	0.00	26.59
1868	1.50	0.50	1.00	1.00	5.09	2.74	2.31	1.35	4.92	1.41	5.69	1.50	29.01
1869	1.80	3.80	2.00	2.95	4.25	8.85	3.67	3.69	2.67	8.17	1.91	2.58	46.07
1870	2.72	3.83	1.50	1.60	1.06	3.13	3.15	3.46	3.88	3.51	2.32	1.50	31.66
1871	1.50	1.50	3.08	3.88	2.30	1.72	4.16	3.35	1.86	3.10	1.70	1.82	29.97
1872	0.42	0.19	0.13	0.73	2.69	3.63	5.27	9.62	3.43	3.05	2.75	1.34	33.25
1873	2.18	0.36	1.54	1.43	1.46	1.35	4.83	2.21	2.09	5.87	1.59	1.01	25.92
1874	3.44	0.82	1.34	3.19	4.21	3.85	7.15	1.07	4.21	1.09	0.82	0.75	31.94
1875	1.26	0.86	1.12	1.38	3.56	3.00	2.73	2.84	4.56	3.54	1.34	0.75	26.94
1876	1.60	1.31	3.11	2.38	2.30	2.91	2.49	2.66	4.82	0.92	1.51	1.52	27.53
1877	1.43	0.32	2.52	2.53	0.95	3.11	4.06	4.74	3.45	6.33	2.21	1.46	33.11
1878	7.52	0.79	1.65	3.06	3.05	2.49	5.18	5.18	1.13	4.78	3.38	3.24	41.45
1879	0.78	1.11	1.45	0.97	0.38	4.52	2.71	2.39	2.82	1.36	3.56	2.22	24.27
1880	1.87	0.62	0.97	1.73	1.46	1.33	2.30	2.26	3.26	6.22	2.57	0.62	25.26
1881	0.88	1.79	1.56	0.62	2.27	7.89	2.22	2.69	2.34	1.54	1.30	1.89	26.99
1882	0.44	1.10	2.34	1.23	2.00	3.17	2.37	3.49	5.22	1.21	1.47	1.60	25.64
1883	0.93	1.07	1.15	1.37	3.67	4.69	3.15	3.68	3.33	3.27	1.59	1.44	29.34
1884	2.14	2.68	2.89	1.92	3.60	1.36	2.95	3.24	3.22	3.82	2.95	2.60	33.37
1885	2.36	1.40	0.86	2.53	2.48	2.52	3.80	3.41	3.50	4.77	3.94	2.07	33.64
1886	1.68	1.06	1.33	1.68	2.61	1.98	3.94	3.22	3.73	1.25	4.29	1.70	28.47
1887	1.87	1.67	1.87	2.21	2.00	4.38	2.22	2.80	2.01	1.99	4.67	3.44	31.13
1888	1.06	0.79	3.71	1.93	3.26	3.95	1.47	4.10	5.68	3.94	3.60	1.63	35.12
1889	3.57	1.59	2.35	1.51	4.28	6.26	4.09	2.48	4.82	3.32	2.46	1.48	38.21
1890	2.05	1.98	2.11	1.93	6.12	2.57	3.33	6.76	3.84	2.02	2.31	1.90	36.92
1891	2.85	1.01	1.70	2.77	2.16	1.48	3.48	3.25	2.44	3.02	2.73	2.23	29.12
1892	2.76	1.67	0.92	1.02	4.28	6.72	7.66	8.36	3.22	1.35	3.28	1.00	42.24
1893	0.70	1.24	0.52	1.70	3.17	1.73	3.74	8.31	2.45	1.72	1.41	2.35	29.04
1894	1.30	0.99	1.31	0.86	3.54	1.45	1.57	1.49	2.88	3.59	1.96	2.02	22.96
1895	1.31	1.16	0.77	1.65	3.79	2.78	2.46	4.84	3.64	0.23	4.32	1.74	28.69
1896	0.63	1.94	3.54	0.60	1.25	3.13	3.83	4.09	3.59	2.52	2.43	0.83	28.38
1897	2.50	1.08	2.49	4.01	5.00	5.63	8.48	4.08	2.13	1.53	4.41	2.10	43.44
1898	2.60	2.98	1.04	2.33	2.14	2.93	1.51	4.58	5.01	4.01	1.90	0.75	31.78
1899	1.12	1.24	4.12	1.88	2.01	2.43	5.37	3.82	6.38	2.81	3.42	2.65	37.25
1900	3.32	2.17	3.19	0.91	2.45	1.96	2.73	5.25	3.20	1.90	5.74	1.42	34.24
1901	1.76	0.67	2.73	3.11	3.96	4.70	2.29	3.18	3.07	2.88	1.84	3.69	33.88
1902	0.66	1.82	2.82	2.37	4.46	5.29	6.23	3.17	3.68	4.95	1.29	1.62	38.36
1903	2.18	1.92	3.53	1.63	T	4.92	6.68	4.02	0.80	4.55	1.21	1.42	32.86

RAINFALL AT BURLINGTON, VT.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	1.36	0.90	1.00	3.06	2.99	2.37	4.19	2.56	5.84	3.29	0.52	1.63	29.71
1905	1.28	0.75	1.82	2.15	2.58	4.70	7.67	3.98	4.32	2.59	1.38	1.51	34.73
1906	1.00	2.02	1.75	1.29	2.83	5.28	2.33	2.26	3.59	2.93	2.60	1.99	29.87
1907	1.02	0.67	1.37	2.56	1.54	4.21	3.68	1.05	4.70	3.59	2.67	2.61	29.67
1908	1.54	2.27	1.74	1.93	3.47	2.46	2.66	1.70	1.15	1.95	1.03	1.59	23.49
1909	2.38	4.18	1.81	2.67	5.58	3.57	4.06	2.83	4.36	1.13	1.66	1.53	35.76
1910	2.70	3.00	0.51	2.10	3.42	3.10	3.06	2.76	2.75	3.34	2.43	2.46	31.63
1911	1.32	1.39	2.44	0.83	1.13	2.54	2.47	3.83	3.46	2.84	1.56	2.51	26.32
1912	0.86	1.94	2.97	2.97	5.55	1.18	3.24	2.55	5.26	2.95	3.51	1.15	34.13
1913	2.38	0.56	4.53	1.72	2.56	2.22	2.83	1.10	2.66	2.90	0.68	1.61	25.75
Av.	1.85	1.64	2.03	2.01	3.08	3.40	3.96	3.48	3.59	3.25	2.54	1.93	32.76

RAINFALL AT CAVENDISH, VT. Elevation, 910 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	...	0.62	4.28	1.04	0.33	8.24	4.26	3.64	1.20	2.94	1.02	2.88	....
1904	2.74	1.11	2.12	5.65	2.87	2.41	3.97	3.90	8.24	2.67	1.16	1.77	38.61
1905	2.66	1.62	1.63	1.40	1.92	5.04	5.98	3.50	6.60	1.74	1.87	2.31	36.27
1906	1.84	1.36	2.05	1.36	4.73	4.35	2.79	2.95	1.41	2.89	2.36	2.23	30.32
1907	1.05	0.83	1.45	2.19	3.06	2.38	3.37	1.11	6.71	4.80	3.89	3.18	34.02
1908	1.25	3.18	1.74	1.23	6.65	1.36	2.34	5.34	1.23	**1.33**	0.85	**2.71**	29.21
1909	3.46	4.02	2.01	2.36	3.13	3.98	2.05	3.83	4.45	1.31	2.07	2.63	35.30
1910	4.19	3.20	0.60	2.40	3.10	3.60	1.82	3.68	4.04	0.99	3.03	1.41	32.06
1911	1.38	2.38	3.19	1.04	0.47	3.36	4.62	2.93	4.86	5.01	**2.31**	2.60	34.15
1912	2.70	1.75	3.81	1.89	6.20	**0.99**	4.40	3.62	5.48	5.86	2.69	2.04	41.43
1913	2.58	1.87	5.90	1.63	4.03	0.58	2.83	**1.80**	2.75	5.39	**1.92**	**3.41**	34.69
Av.	2.38	2.13	2.45	2.12	3.62	2.80	3.42	3.27	4.58	3.20	2.21	2.43	34.61

RAINFALL AT CHELSEA, VT. Elevation, 840 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	3.66	2.82	2.02	1.74	2.88	2.29	2.46	3.59	3.46	2.28	5.10	2.06	34.36
1887	3.71	4.35	2.48	2.61	2.26	5.98	5.66	8.45	2.23	1.21	3.72	4.04	46.70
1888	3.32	2.19	3.27	2.94	3.76	5.22	2.74	3.78	5.39	3.87	4.28	2.92	43.68
1889	4.11	2.35	3.52	1.28	4.74	6.59	5.05	1.85	4.95	3.57	4.81	3.52	46.34
1890	3.80	3.85	2.93	2.68	5.35	3.11	2.49	7.20	4.54	4.09	2.25	3.32	45.61
1891	4.38	2.86	3.21	2.85	2.91	2.71	4.20	4.00	2.14	2.43	2.46	3.31	37.46
1892	4.28	1.85	2.21	1.25	5.71	5.85	2.59	6.28	1.75	2.05	3.79	1.24	38.85
1893	1.64	3.59	1.63	2.33	3.97	2.75	**6.00**	**2.40**	**3.60**	**2.60**	**1.70**	**2.50**	34.71
1894	**3.00**	**4.70**	**5.20**	**2.10**	**4.55**	**1.60**	**3.15**	**3.40**	**0.70**	**1.70**	**4.40**	**3.80**	38.30
1895	**4.40**	**2.00**	**1.80**	**2.29**	**2.00**	2.60	2.30	3.49	2.40	0.91	5.91	3.78	33.88
1896	0.94	4.56	5.44	0.28	1.06	1.78	3.96	2.33	4.27	2.21	3.03	0.68	30.54
1897	3.58	1.90	3.96	2.91	5.02	4.49	10.60	4.08	1.37	0.89	5.91	3.35	48.06
1898	4.66	4.78	0.97	2.65	3.34	2.24	2.28	4.71	3.98	3.84	2.82	1.26	37.53
1899	2.85	1.95	4.66	1.16	1.82	1.44	2.38	0.46	3.94	2.33	1.95	2.12	27.06
1900	3.50	4.20	3.73	1.13	1.95	2.01	3.31	4.55	2.12	3.19	5.44	1.35	36.48
1901	2.58	0.42	2.73	2.42	4.59	2.08	3.95	1.57	1.69	1.71	0.99	4.64	29.37
1902	2.20	1.96	5.15	3.83	3.84	4.03	3.86	2.92	2.93	3.68	0.50	3.87	38.77
1903	2.30	2.73	5.03	0.80	0.29	4.85	3.86	3.28	1.44	1.97	1.02	2.08	29.65

RAINFALL AT CHELSEA, VT. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	2.34	0.51	1.93	2.82	2.69	0.86	3.56	4.76	5.90	1.77	0.90	1.36	29.40
1905	1.50	1.20	1.93	2.14	1.33	3.40	4.57	4.45	5.26	1.10	1.80	1.80	30.48
1906	2.21	2.67	3.30	1.11	3.61	4.53	3.12	4.68	1.28	2.81	2.24	4.11	35.67
1907	1.84	1.27	1.27	5.37	2.53	3.93	2.80	2.00	8.18	5.75	3.20	3.52	41.66
1908	0.96	3.96	1.61	2.57	3.25	3.00	1.66	3.20	1.13	2.08	1.65	2.38	27.45
1909	3.65	6.02	1.60	2.86	3.47	3.36	2.08	2.96	3.22	0.41	**2.16**	1.31	33.10
1910	2.96	3.87	0.65	2.61	4.58	2.76	1.74	2.96	5.10	1.89	1.94	2.07	33.13
1911	1.73	2.21	2.91	0.87	0.44	2.94	4.31	5.51	3.89	4.22	1.55	2.56	33.14
1912	1.68	1.35	3.31	2.51	5.92	1.21	1.26	3.84	4.10	4.81	2.85	2.32	35.16
1913	3.26	0.97	6.33	1.93	2.81	1.80	2.93	0.83	1.74	4.64	2.15	2.51	31.90
Av.	2.89	2.75	3.03	2.22	3.24	3.19	3.53	3.70	3.31	2.64	2.88	2.64	36.02

RAINFALL AT CORNWALL, VT. Elevation, 507 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	3.32	2.28	3.32	2.19	**1.44**	4.30	4.44	3.68	1.60	1.29	4.76	3.37	35.99
1888	2.65	1.39	4.55	2.09	2.67	3.75	1.18	2.72	4.31	4.44	3.28	3.55	36.58
1889	3.59	1.20	3.24	1.08	3.97	5.07	5.60	1.41	3.50	3.36	3.88	2.30	38.20
1890	3.13	3.80	3.44	2.24	5.49	2.50	2.31	6.00	2.96	2.03	1.28	2.74	37.92
1891	3.60	2.25	1.91	1.94	2.40	3.60	3.98	4.36	2.25	**1.83**	2.33	1.95	32.40
1892	3.82	0.50	1.06	0.85	5.54	6.15	3.47	5.19	1.42	0.68	1.34	0.38	30.40
1893	1.63	2.84	1.12	1.25	1.99	1.83	3.59	7.06	1.57	0.93	1.00	3.21	28.02
1894	2.53	3.05	0.45	0.88	2.32	3.94	2.69	2.35	1.90	3.66	3.64	2.68	30.09
1895	1.45	1.40	0.90	2.05	4.10	2.10	2.80	5.88	2.17	1.15	4.88	2.05	30.93
1896	0.73	1.83	3.14	0.43	1.37	2.41	2.97	4.37	4.83	2.61	2.58	0.80	28.07
1897	2.22	1.04	2.01	3.50	4.26	4.92	8.71	3.23	1.65	1.58	5.41	3.41	41.94
1898	4.00	2.49	1.23	1.89	3.49	3.23	1.45	2.30	3.76	2.84	1.30	1.05	29.03
1899	1.20	2.28	3.45	1.15	1.70	1.60	4.28	0.38	6.23	2.57	2.48	3.24	30.56
1900	3.60	3.86	2.60	0.32	1.30	2.38	2.78	4.13	1.67	1.98	4.10	1.28	30.00
1901	1.79	0.92	1.17	3.15	4.10	2.91	4.61	3.27	1.36	2.03	2.93	**3.54**	31.78
1902	1.22	2.13	3.53	2.33	2.85	3.61	3.50	4.62	4.04	2.64	1.32	1.44	33.23
1903	2.28	2.73	3.79	1.08	0.24	4.20	5.16	3.45	0.90	3.05	2.10	0.85	29.83
1904	1.85	2.49	1.56	3.65	3.30	3.21	5.05	1.95	3.53	2.94	0.78	1.49	31.80
1905	0.96	1.00	2.42	2.67	1.88	6.05	4.06	3.34	5.50	2.55	2.06	2.06	34.55
1906	1.86	2.31	1.82	0.95	3.10	5.50	**2.33**	**2.26**	**3.59**	**2.93**	2.46	2.20	31.31
1907	1.35	0.85	0.37	2.90	0.83	**4.21**	**3.68**	**1.05**	**4.70**	3.39	**2.67**	**2.61**	28.61
1908	**1.54**	**2.27**	**1.74**	**1.93**	**3.47**	**2.46**	**2.66**	**1.70**	**1.15**	1.23	0.96	**1.59**	22.70
1909	2.62	3.77	1.70	1.93	5.74	3.03	2.79	3.28	3.24	0.94	1.54	1.27	31.85
1910	2.90	2.76	0.53	2.21	3.96	3.54	2.05	5.02	6.76	**3.34**	2.59	2.27	37.93
1911	1.29	2.70	2.30	0.78	1.57	3.00	2.80	3.68	2.57	4.21	1.10	2.85	28.85
1912	2.13	1.80	2.67	2.30	6.03	**1.18**	1.84	**2.55**	**5.26**	3.57	3.48	2.07	34.88
1913	2.15	0.97	4.29	**1.72**	**2.56**	**2.22**	**2.83**	1.23	2.25	5.72	0.87	3.19	30.00
Av.	2.28	2.11	2.23	1.83	3.02	3.44	3.47	3.35	3.14	2.57	2.49	2.20	32.13

RAINFALL AT ENOSBURG FALLS, VT. Elevation, 601 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	...	...	...	...	...	1.39	5.95	4.64	2.98	2.23	3.25	4.02	...
1892	3.54	2.00	2.74	2.10	4.49	11.23	5.78	7.63	1.43	2.56	4.09	2.40	49.99
1893	1.40	3.65	1.20	2.53	2.91	2.61	4.77	6.21	3.37	2.21	1.76	4.62	37.24
1894	2.45	2.35	2.40	1.86	4.96	3.19	5.51	3.09	3.70	5.26	2.29	1.91	38.97
1895	1.70	2.15	0.85	2.59	4.61	4.14	3.00	3.37	2.20	0.56	6.24	4.29	35.70
1896	1.30	5.57	6.26	1.75	2.42	4.13	4.10	2.84	2.42	3.31	3.58	0.45	38.13
1897	3.45	1.25	2.47	3.91	5.50	3.46	12.73	2.77	2.02	0.82	4.63	3.93	46.94
1898	4.56	4.40	1.20	1.58	2.70	3.45	2.29	5.53	4.89	3.62	1.90	4.23	40.35
1899	2.30	2.18	6.40	1.66	2.11	**2.43**	**5.37**	1.99	3.83	3.99	2.21	2.90	37.37
1900	3.30	3.65	3.93	2.19	4.23	4.21	5.02	3.41	3.03	3.54	7.54	4.24	48.29
1901	5.17	3.65	5.97	2.72	2.88	5.35	3.84	5.74	2.76	3.26	5.71	5.25	52.30
1902	2.97	5.46	4.81	3.08	4.96	5.64	5.10	2.85	3.28	5.51	2.59	2.40	48.65
1903	2.88	4.64	5.08	2.95	0.45	4.14	5.02	3.79	0.45	3.43	1.63	2.27	36.73
1904	2.88	1.81	2.46	2.43	3.21	4.46	4.82	4.22	5.45	3.04	0.75	1.71	37.24
1905	1.82	0.54	2.99	2.22	3.11	4.10	7.59	4.63	3.69	2.89	2.76	3.04	39.38
1906	2.05	2.11	1.99	2.09	3.26	6.16	4.03	1.49	3.79	2.91	3.33	2.46	35.67
1907	2.22	0.91	1.91	2.29	1.85	4.70	6.34	1.94	5.41	4.56	2.55	3.93	38.61
1908	1.78	2.89	2.71	2.43	6.26	2.79	2.51	2.50	1.16	2.47	1.86	2.54	31.90
1909	4.26	3.98	1.67	3.89	5.00	2.43	3.10	3.26	4.73	1.49	3.33	1.51	38.65
1910	2.08	3.54	1.56	3.10	4.09	3.68	2.45	4.81	2.68	4.51	2.63	2.70	37.83
1911	1.37	1.82	3.39	0.76	1.99	3.22	2.54	3.43	4.59	2.82	3.60	3.13	32.66
1912	1.91	2.11	2.61	3.76	7.37	4.15	2.99	4.89	6.71	3.11	5.23	2.00	46.84
1913	3.88	1.57	5.77	1.79	4.05	4.85	5.59	2.15	4.11	3.88	1.30	2.05	40.99
Av.	2.69	2.83	3.20	2.44	3.75	4.30	4.75	3.74	3.44	3.17	3.25	2.91	40.47

RAINFALL AT HARTLAND, VT. Elevation, 665 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	1.95	3.24	3.67	2.10	6.50	2.75	2.81	6.37	4.44	5.61	2.09	3.50	45.03
1891	6.27	4.18	3.72	2.72	2.24	4.22	4.27	3.31	2.34	2.47	2.65	5.34	43.73
1892	4.78	2.00	1.38	0.69	7.26	4.74	2.10	7.43	2.18	1.72	3.29	1.26	38.83
1893	2.48	5.64	1.94	2.25	4.35	4.09	3.64	5.65	1.48	3.30	2.21	3.70	40.73
1894	2.57	2.04	1.31	2.17	3.83	4.41	2.83	2.58	4.58	4.25	2.58	2.88	36.03
1895	2.26	1.26	1.87	6.00	1.62	2.08	4.05	3.28	3.35	2.46	5.84	4.42	38.49
1896	0.81	4.72	7.09	2.04	1.41	4.60	2.90	3.63	4.92	3.61	3.52	0.87	40.12
1897	3.39	2.09	3.30	3.25	6.01	6.51	7.20	2.32	1.87	1.38	6.78	4.41	48.51
1898	5.94	4.22	0.82	3.42	3.99	4.18	1.89	5.02	4.62	4.48	4.67	1.75	45.00
1899	2.71	2.49	6.42	1.51	1.13	2.16	5.42	1.66	4.11	1.56	1.67	2.18	33.02
1900	4.48	5.95	5.29	0.93	2.75	2.88	2.41	3.61	1.85	3.08	5.45	2.06	40.74
1901	2.22	0.45	4.53	3.84	6.53	0.89	3.39	3.58	2.63	2.23	1.55	6.43	38.27
1902	1.90	1.65	5.27	3.75	5.22	4.13	5.89	4.28	5.61	4.19	1.10	5.48	48.47
1903	3.63	3.77	4.78	0.99	0.29	6.26	4.15	3.22	1.26	2.56	**1.38**	**3.22**	35.51
Av.	3.24	3.12	3.67	2.55	3.80	3.85	3.78	4.00	3.23	3.06	3.20	3.39	40.89

RAINFALL AT JACKSONVILLE, VT. Elevation, 1 000 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	...	...	...	...	...	2.70	3.41	7.96	1.87	6.06	6.16	3.75	...
1886	6.46	3.62	4.00	3.52	4.33	3.26	3.94	3.70	4.60	4.00	7.15	5.22	53.80
1887	6.43	7.05	4.49	3.51	1.40	5.58	7.11	6.68	1.66	2.56	3.57	5.72	55.76
1888	5.11	5.13	7.22	4.97	6.15	4.57	2.63	6.50	7.80	6.86	6.92	3.90	67.76
1889	5.96	2.37	2.02	3.72	4.82	5.15	9.70	4.04	3.05	4.31	7.55	4.84	57.53
1890	4.31	6.13	5.48	1.79	5.87	2.34	3.28	6.56	6.46	9.30	2.50	5.05	59.07
1891	6.85	5.25	4.23	3.73	2.67	3.84	7.45	4.74	1.47	2.79	4.10	6.56	53.68
1892	5.90	2.55	3.63	0.87	8.73	**3.03**	**3.61**	**6.86**	**2.52**	**0.72**	**4.24**	1.18	43.84
1893	2.96	7.41	3.03	4.62	7.58	3.94	2.17	9.11	2.93	5.07	2.01	4.45	55.28
1894	2.87	2.72	2.19	2.66	3.52	0.96	1.69	0.76	5.48	5.08	2.83	4.49	35.25
1895	4.10	1.41	2.12	6.31	1.24	2.99	3.56	2.49	3.33	5.21	4.65	4.72	42.13
1896	2.95	5.75	5.68	1.96	1.76	1.85	5.07	2.76	5.10	3.57	3.67	1.40	41.52
1897	3.78	4.50	5.80	3.33	3.97	5.80	10.31	2.90	2.42	1.56	9.24	7.23	60.84
1898	8.06	3.87	1.71	4.16	6.44	3.02	1.75	5.06	3.14	8.57	5.72	5.24	56.74
1899	2.22	3.10	9.00	2.43	0.84	4.25	6.12	2.06	3.92	0.70	1.76	1.68	38.08
1900	5.33	12.74	3.59	3.14	1.49	2.27	2.72	4.58	1.76	1.80	3.79	2.42	45.63
1901	2.10	0.70	5.65	10.21	5.84	1.12	3.81	3.82	4.55	2.49	1.49	3.95	45.73
1902	2.70	4.16	5.20	5.71	2.29	3.34	4.66	2.65	7.92	4.41	0.95	2.82	46.81
1903	2.14	4.23	5.78	3.01	0.70	11.65	3.84	4.75	1.44	2.40	1.91	3.68	45.53
1904	4.79	4.08	2.84	5.29	2.52	3.23	0.78	5.09	6.05	3.33	2.35	3.11	43.46
1905	6.90	3.31	1.35	1.67	1.32	3.30	3.29	4.70	7.51	3.63	1.07	3.93	41.98
1906	3.36	2.77	4.49	3.44	5.39	3.09	2.24	1.76	1.88	2.84	1.70	2.55	35.51
1907	2.89	1.19	1.28	2.32	3.46	3.47	3.29	0.49	8.26	5.40	6.42	3.81	42.28
1908	3.86	4.09	1.20	2.57	3.43	1.84	4.61	3.33	0.83	2.20	0.96	2.46	31.38
1909	4.40	4.47	1.67	2.63	4.47	2.85	1.68	3.90	5.45	4.95	2.39	0.88	39.74
1910	3.07	2.65	0.57	0.62	0.67	0.66	2.65	2.00	4.92	0.89	3.44	0.38	22.52
1911	4.04	5.06	4.57	2.24	2.06	4.94	1.21	2.00	5.20	10.93	1.81	0.81	44.87
1912	1.96	1.63	4.31	2.10	4.43	1.26	2.45	1.70	2.84	5.75	1.77	3.45	33.65
1913	2.86	1.28	4.53	1.71	2.20	0.70	0.58	0.52	2.31	1.73	3.12	1.35	22.89
Av.	4.23	4.04	3.84	3.37	3.56	3.37	3.79	3.77	4.10	4.04	3.54	3.47	45.12

RAINFALL AT LUNENBURG, VT. Elevation, 1 210 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1848	2.68	4.75	3.60	1.12	2.72	1.84	4.20	3.82	1.10	5.84	3.38	5.95	41.00
1849	2.25	3.85	6.10	2.22	2.47	2.00	4.00	1.75	2.20	2.25	3.71	3.00	35.80
1850	2.90	3.95	4.50	2.00	3.50	1.75	3.90	4.00	2.05	4.90	3.50	3.05	40.00
1851	4.00	1.15	3.50	7.10	0.85	3.60	4.18	1.25	2.80	3.00	1.50	0.57	33.50
1852	2.75	3.75	4.10	5.25	5.80	4.20	2.75	2.00	3.25	3.75	0.45	0.95	39.00
1853	4.00	4.55	2.10	2.80	3.10	2.80	4.20	4.50	3.15	2.80	4.00	3.75	41.75
1854	4.80	3.90	3.25	2.10	2.20	2.50	1.10	0.75	3.75	4.20	4.05	4.00	36.60
1855	1.40	2.25	4.25	3.75	4.70	5.80	3.20	2.50	3.25	2.20	2.00	2.95	38.25
1856	3.25	3.00	5.20	2.10	2.40	3.75	3.75	3.20	3.00	3.15	3.00	4.00	39.80
1857	2.60	2.90	4.50	3.00	2.80	3.25	3.50	3.00	2.95	4.18	2.50	2.07	37.25
1858	3.25	3.00	1.50	4.10	2.50	2.85	2.75	3.50	3.25	3.80	5.00	3.00	38.50
1859	1.07	2.05	4.25	1.25	2.75	4.00	2.25	3.06	4.50	2.50	2.85	4.77	35.30
1860	2.25	2.16	1.98	1.56	1.50	1.06	3.62	9.06	4.52	2.32	5.37	3.50	38.90
1861	3.20	3.00	2.95	5.85	6.75	4.00	6.00	1.75	5.00	4.62	2.18	1.70	47.00
1862	3.80	5.02	3.56	2.40	1.75	1.70	2.75	6.00	4.00	4.00	6.75	4.07	45.80

RAINFALL AT LUNENBURG, VT.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1863	5.45	1.40	4.70	2.85	4.50	1.50	8.70	2.90	3.05	3.60	2.25	5.10	46.00
1864	2.63	1.88	2.92	1.90	6.85	1.32	2.00	3.30	2.75	6.12	3.70	3.65	39.02
1865	3.35	1.70	5.13	3.35	6.55	2.75	3.92	1.00	4.62	3.35	2.95	1.02	39.69
1866	1.55	3.35	1.40	2.50	2.00	3.00	6.00	5.25	6.00	1.95	3.25	1.85	38.10
1867	2.05	4.30	2.60	2.70	9.47	3.75	3.33	3.75	2.00	1.50	2.45	1.75	39.65
1868	1.87	1.45	2.80	1.30	5.75	4.40	5.05	1.83	8.02	1.30	7.15	2.45	43 37
1869	4.30	4.12	4.45	2.05	2.85	5.00	2.75	2.50	2.60	8.10	2.21	3.02	43.95
1870	4.55	4.00	1.47	2.50	3.60	3.50	4.34	6.42	3.00	3.95	6.52	1.30	45.15
1871	3.15	2.10	3.65	5.72	3.62	2.12	4.35	7.35	2.30	3.90	1.00	3.[illegible]	42.96
1872	2.00	3.05	2.70	2.00	8.20	7.33	7.25	12.58	3.48	2.27	5.05	5.00	60.91
1873	3.85	3.35	4.50	2.65	2.64	2.00	3.95	2.50	4.75	5.45	2.22	2.65	40.51
1874	3.70	1.80	2.25	4.05	2.95	7.06	4.98	4.38	1.35	1.15	2.71	3.07	39.45
1875	3.60	4.03	3.00	2.85	3.73	5.70	2.55	3.45	4.35	5.26	2.92	1.40	42.84
1876	3.55	3.60	3.00	2.75	4.70	7.05	5.22	1.35	5.94	1.50	1.67	2.82	43.15
1877	2.15	0.65	6.40	2.35	1.05	3.00	4.22	5.95	2.05	4.70	3.65	1.87	38.04
1878	1.65	0.80	2.25	6.15	2.45	4.65	3.35	4.45	1.20	2.60	2.70	2.30	34.55
1879	3.45	2.75	3.15	2.70	1.45	5.80	5.00	4.67	3.78	2.20	4.18	4.30	43.43
1880	2.25	2.60	1.47	1.40	3.05	2.30	2.45	3.79	2.40	4.70	2.18	2.55	31.14
1881	2.90	1.70	2.60	1.00	4.55	2.20	3.09	2.75	2.45	4.85	5.19	4.92	38.20
1882	3.75	3.75	1.75	1.55	2.20	4.93	2.85	1.05	5.26	1.45	1.27	2.40	32.21
1883	2.10	3.65	2.40	1.30	4.00	4.34	4.80	1.18	2.90	4.50	2.83	2.60	36.60
1884	3.30	2.30	4.60	1.26	4.45	1.95	2.50	2.55	2.55	5.00	2.50	2.80	35.76
1885	3.40	2.35	2.25	0.60	1.00	3.88	6.46	5.67	3.00	4.51	2.55	1.70	37.37
1886	2.65	1.67	0.90	0.75	2.37	1.70	2.32	4.70	3.98	1.40	3.45	3.40	29.29
1887	3.00	3.80	2.20	1.75	2.23	3.84	4.88	2.36	1.02	2.39	2.15	3.25	32.87
1888	3.05	1.30	4.80	0.90	4.55	2.69	1.20	6.57	5.41	5.25	4.84	3.07	43.63
1889	3.53	1.84	4.30	1.00	3.02	5.43	5.37	1.74	5.17	3.58	3.61	1.48	40.07
1890	3.20	2.68	4.14	2.01	7.29	4.57	3.56	6.15	3.92	2.72	2.46	3.10	45.80
1891	3.75	1.95	2.16	2.18	3.47	1.92	5.03	2.67	2.14	0.51	2.50	2.33	30.61
Av.	3.11	2.87	3.38	2.62	3.73	3.60	4.04	3.84	3.49	3.56	3.31	2.98	40.53

RAINFALL AT MANCHESTER, VT. Elevation, 980 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	3.61	4.58	2.87	1.46	4.03	2.02	4.18	5.43	2.19	2.64	3.53	2.10	38.64
1901	1.35	0.56	3.86	5.30	5.09	2.11	6.06	4.95	4.02	1.79	2.84	4.05	41.98
1902	1.37	1.51	1.74	4.45	3.58	3.70	7.65	3.92	4.06	5.78	1.44	5.30	44.50
1903	2.59	3.10	3.54	1.50	0.86	5.59	2.70	6.19	1.57	4.55	2.14	1.92	36.25
1904	2.00	1.11	1.48	2.72	4.08	4.15	5.97	4.70	7.42	3.19	0.69	2.13	39.64
1905	3.14	1.05	1.93	2.22	2.27	5.24	4.73	3.61	6.08	1.61	4.04	3.65	39.57
1906	1.73	2.17	2.82	3.48	6.95	4.08	3.88	1.95	3.77	4.29	1.95	2.08	39.15
1907	1.65	0.75	0.62	3.02	3.17	4.26	4.00	2.18	8.03	4.95	3.76	1.80	38.19
1908	1.55	3.12	2.90	3.99	4.86	2.88	3.18	4.60	0.63	2.02	1.16	1.42	32.31
1909	4.23	5.35	2.19	2.53	5.05	3.66	2.08	3.32	4.60	2.35	1.41	1.61	38.38
1910	1.72	2.99	1.43	2.16	4.51	2.81	2.48	3.37	4.35	1.89	2.63	0.87	31.21
1911	1.93	0.67	1.50	0.61	0.29	1.70	0.31	2.77	1.92	3.00	1.83	1.15	17.68
1912	1.36	1.66	3.22	0.71	6.54	0.49	1.72	3.79	5.98	3.57	2.69	3.59	35.32
1913	3.10	1.41	5.08	1.29	3.15	0.47	1.14	0.07	0.13	6.20	2.87	2.26	27.17
Av.	2.24	2.14	2.51	2.53	3.89	3.08	3.58	3.63	3.91	3.42	2.36	2.42	35.71

RAINFALL AT NEWFANE, VT. Elevation, 600 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1826	...	...	...	...	0.90	5.90	3.60	9.20	5.30	2.40	4.70	4.80	....
1827	7.00	4.00	3.60	7.80	4.60	4.80	5.20	4.40	8.60	6.50	4.80	5.10	66.40
1828	3.90	4.90	2.80	2.80	7.80	4.30	11.70	4.80	10.70	2.50	9.70	0.40	66.30
1829	8.40	5.40	3.00	4.30	3.20	3.20	3.40	0.90	1.70	2.30	4.50	3.30	43.60
1830	2.10	1.70	6.90	2.90	2.80	6.70	5.30	3.30	2.40	3.70	8.00	6.10	51.90
1831	3.20	4.10	5.20	7.70	5.80	4.70	5.40	4.30	8.70	7.10	4.00	2.00	62.20
1832	5.70	3.00	3.80	4.20	4.30	1.80	3.20	5.90	2.80	4.60	4.00	3.50	46.80
1833	4.30	2.60	2.70	2.10	8.20	5.90	2.70	5.70	2.80	...	...	...	....
Av.	5.05	3.85	4.22	4.95	4.75	4.25	5.70	3.93	5.82	4.45	5.83	3.40	56.20

RAINFALL AT NORTHFIELD, VT. Elevation, 876 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	...	...	4.68	3.37	1.39	4.12	5.33	4.53	1.78	1.47	3.82	5.88	...
1888	4.99	2.73	4.81	2.87	3.51	6.17	1.30	3.43	6.27	3.53	3.82	2.46	45.89
1889	3.90	2.18	2.05	1.10	2.48	5.02	4.65	1.59	4.06	3.57	3.45	2.61	36.66
1890	2.76	3.29	2.54	1.94	4.32	2.84	2.87	6.98	2.95	3.49	2.28	1.91	38.17
1891	3.79	2.13	2.68	2.41	2.46	2.04	3.20	4.78	0.98	1.87	2.14	2.63	31.11
1892	3.21	1.73	1.13	0.44	3.30	5.66	2.88	6.50	1.74	1.52	3.43	1.13	32.67
1893	1.78	2.47	1.21	1.63	3.97	2.07	3.74	6.14	1.91	1.54	1.98	2.92	31.36
1894	2.56	1.54	1.06	1.32	3.33	1.71	1.64	3.23	2.99	3.50	2.58	3.46	28.92
1895	1.99	0.82	1.36	4.60	3.38	2.11	2.82	4.64	2.60	0.45	5.68	4.75	35.20
1896	0.87	4.45	6.41	0.51	1.44	1.62	5.99	2.27	3.48	2.42	3.55	0.81	33.82
1897	3.46	1.53	2.73	2.73	3.46	3.77	8.04	2.71	1.43	1.16	4.86	3.26	39.14
1898	3.30	3.72	0.64	2.74	2.10	2.28	1.66	5.22	2.66	2.87	1.97	1.36	30.52
1899	1.77	1.69	4.03	1.20	1.52	1.60	3.41	0.77	4.19	2.49	2.38	2.31	27.36
1900	2.61	4.32	4.49	1.10	1.60	2.33	3.02	4.11	2.59	2.61	3.99	1.34	34.11
1901	1.43	0.18	3.31	3.12	3.91	2.97	4.86	3.02	1.79	1.52	0.89	4.42	31.42
1902	2.09	2.37	4.97	3.84	3.42	3.84	2.91	4.06	3.31	3.01	1.06	3.45	38.33
1903	2.21	3.53	3.87	0.97	0.19	4.75	2.71	2.94	1.21	2.75	1.04	2.92	29.09
1904	2.38	0.56	1.84	2.95	2.30	1.33	3.53	3.54	5.06	2.29	0.56	1.32	27.66
1905	1.53	0.73	2.06	1.93	1.74	3.89	6.17	4.02	4.35	1.52	1.73	2.64	32.31
1906	1.38	2.18	2.33	1.05	4.57	4.40	4.30	3.55	1.87	3.16	2.53	3.43	34.75
1907	1.48	0.71	1.87	4.66	1.92	3.70	3.45	1.47	6.08	5.14	3.32	3.97	37.77
1908	1.93	4.44	2.17	2.20	3.73	2.68	2.05	3.73	0.35	1.99	1.18	2.62	29.07
1909	3.55	4.85	1.85	2.43	3.54	2.94	2.53	2.53	3.05	1.47	2.02	1.58	32.34
1910	2.80	3.63	0.60	2.17	4.51	3.18	1.96	2.57	4.72	1.68	2.19	1.70	31.71
1911	1.25	1.61	2.07	1.10	0.99	2.36	3.41	4.46	2.53	3.96	2.17	2.01	27.92
1912	1.72	2.37	2.49	1.95	6.84	1.05	3.31	3.46	3.90	4.45	3.56	1.90	37.00
1913	2.84	0.92	6.30	1.61	3.01	1.29	3.37	1.02	1.84	4.97	1.77	2.41	31.35
Av.	2.45	2.33	2.73	2.10	2.98	2.98	3.45	3.57	3.00	2.65	2.54	2.51	33.29

RAINFALL AT NORWICH, VT. Elevation, 550 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	1.34	4.50	1.56	1.49	3.46	3.45	3.51	4.20	1.66	3.25	1.55	2.99	32.96
1894	2.49	1.97	1.18	1.69	4.08	4.37	2.00	2.55	4.18	3.48	2.37	2.71	33.07
1895	1.53	0.76	1.52	4.50	1.98	2.95	4.22	3.92	2.79	1.46	5.38	3.95	34.96
1896	0.64	3.74	5.75	0.89	1.31	2.28	4.34	3.82	4.43	4.03	3.01	0.77	35.01
1897	2.90	2.58	3.11	2.92	5.82	6.81	6.58	2.43	1.63	1.00	6.13	4.00	45.91
1898	4.40	4.41	1.07	3.03	3.25	3.85	1.11	4.01	3.98	3.32	3.87	1.54	37.84
1899	2.45	2.59	6.39	1.27	1.56	3.53	4.43	2.08	5.33	1.54	1.48	2.45	35.10

RAINFALL AT NORWICH, VT.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	4.80	5.66	4.58	0.92	2.72	2.65	3.87	2.93	1.48	3.04	4.98	2.26	39.89
1901	2.29	0.25	4.01	3.48	6.25	1.24	4.81	3.30	3.28	1.95	1.63	5.32	37.81
1902	1.74	1.00	5.20	3.80	3.32	3.47	4.03	3.49	4.24	4.99	0.97	4.78	41.03
1903	4.13	3.78	4.43	1.13	0.76	7.02	2.85	3.61	1.55	2.57	1.02	3.69	36.54
1904	3.60	1.61	2.35	5.04	3.10	1.34	2.96	3.69	6.01	3.01	0.75	2.05	35.51
1905	2.24	1.70	2.46	1.62	1.96	4.57	7.02	4.31	6.96	1.54	2.08	2.74	39.20
1906	2.20	2.73	3.46	2.07	6.60	3.69	4.21	2.93	1.95	3.66	2.02	3.37	38.89
1907	2.60	1.40	2.33	3.38	3.43	3.57	1.89	0.91	6.92	5.00	2.97	2.98	37.38
1908	2.55	4.15	1.61	1.66	4.53	2.30	3.61	5.09	0.65	2.11	1.39	2.86	32.51
1909	4.57	4.88	2.17	2.74	3.22	2.79	1.70	3.97	3.76	1.25	2.30	2.25	35.60
1910	3.67	4.47	0.78	2.85	3.39	3.81	1.72	4.50	3.91	1.41	2.51	2.62	35.64
1911	1.91	3.51	2.65	0.81	1.39	3.13	6.29	2.54	4.78	4.57	2.60	2.53	36.71
1912	3.23	1.74	4.79	3.08	5.90	1.14	3.05	3.78	4.31	5.17	2.81	2.66	41.66
1913	3.23	1.80	5.62	1.51	4.82	1.02	2.93	2.05	2.51	5.00	1.80	3.14	35.43
Av.	2.79	2.82	3.19	2.38	3.47	3.28	3.67	3.34	3.63	3.02	2.55	2.94	37.08

RAINFALL AT RUTLAND, VT. Elevation, 550 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1789	3.50	2.78	3.10	3.01	4.72	3.92	2.31	2.11	2.48	5.66	4.10	3.49	41.18

RAINFALL AT SOMERSET, VT. Elevation, 2 096 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1911	...	...	...	...	...	...	...	...	...	...	3.51	4.04	....
1912	3.39	3.34	4.60	4.03	7.04	2.96	3.82	4.18	4.94	8.04	3.62	6.36	56.32
1913	6.54	4.05	8.29	3.74	4.83	0.91	3.76	2.58	3.49	5.15	6.36	3.27	52.97
Av.	4.96	3.70	6.45	3.88	5.93	1.94	3.79	3.38	4.21	6.60	4.99	4.81	54.64

RAINFALL AT ST. JOHNSBURY, VT. Elevation, 711 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	**2.56**	**1.28**	2.30	1.86	3.53	2.55	1.62	2.92	2.34	1.77	1.97	2.45	27.15
1895	1.89	0.71	1.65	3.55	3.15	2.98	3.19	4.20	3.16	0.51	6.08	3.82	34.89
1896	0.67	3.21	4.33	1.14	1.80	2.42	3.79	3.26	3.24	2.41	3.45	0.95	30.67
1897	2.15	1.80	2.68	2.84	4.33	6.02	6.40	3.99	2.17	1.17	5.19	3.90	42.64
1898	3.68	2.64	0.97	2.45	2.46	3.55	6.60	5.81	5.42	3.18	2.63	1.46	40.85
1899	2.22	2.76	5.33	1.39	1.22	2.09	4.36	3.24	3.58	2.40	2.28	2.20	33.07
1900	4.07	4.73	3.86	1.49	2.66	1.62	4.21	3.42	2.84	2.70	6.15	0.95	38.70
1901	2.06	0.56	3.31	1.74	3.40	4.07	4.96	4.44	2.64	2.31	1.60	4.06	35.15
1902	0.89	1.08	4.16	2.55	5.14	4.45	4.48	6.44	3.75	3.98	1.44	2.49	40.85
1903	3.24	2.25	5.13	1.23	0.04	3.54	5.91	2.90	1.08	2.65	1.00	2.27	31.24
1904	1.81	1.01	1.26	2.67	3.64	2.40	2.81	4.39	5.15	1.81	1.09	1.63	29.67
1905	1.30	1.08	2.10	2.22	2.68	3.36	4.35	4.62	4.79	1.60	2.10	2.92	33.12
1906	2.10	2.51	1.82	0.54	3.71	4.35	3.68	4.71	2.70	3.13	1.74	2.75	33.74
1907	1.58	1.24	2.62	4.60	2.58	3.38	4.46	2.35	8.11	5.06	2.47	3.90	42.35
1908	2.09	3.94	1.97	2.27	3.75	4.78	3.11	5.21	0.68	1.66	1.10	2.67	33.23
1909	2.86	1.93	0.72	3.51	4.28	3.33	2.83	2.47	1.06	3.73	1.97	1.09	29.78
1910	2.12	4.55	1.46	3.25	4.25	2.90	2.92	4.53	4.55	1.44	2.37	2.12	36.46
1911	1.74	2.29	3.50	1.01	1.08	2.54	4.73	5.19	4.32	3.58	2.50	3.05	35.53
1912	2.13	2.04	2.76	3.14	6.56	2.04	3.17	4.80	5.56	2.15	2.78	2.97	40.10
1913	3.25	1.32	6.76	1.63	3.36	1.40	7.56	1.44	1.45	5.94	1.25	2.78	38.14
Av.	2.22	2.15	2.93	2.25	3.18	3.19	4.26	4.02	3.56	2.53	2.56	2.52	35.37

RAINFALL AT STRAFFORD, VT. Elevation, 500 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1873	...	...	6.60	0.60	1.50	3.85	6.77	3.50	4.30	6.80	2.41	5.35	...
1874	4.15	1.90	3.50	12.20	3.50	1.80	5.60	2.00	3.00	0.50	0.50	2.00	40.65
1875	4.20	1.02	2.95	2.20	3.80	4.80	4.30	4.50	3.50	4.30	2.60	0.15	38.32
1876	2.50	5.00	7.10	3.20	4.20	6.30	5.40	1.50	4.75	3.00	1.70	3.80	48.45
1877	3.20	0.30	5.90	2.50	0.40	4.90	4.50	3.30	2.70	5.30	5.60	1.50	40.10
1878	1.70	2.40	1.55	5.20	3.20	4.20	4.00	4.00	2.40	3.60	3.80	5.90	41.95
1879	3.70	2.40	3.60	2.55	3.80	2.60	3.00	3.50	4.60	1.90	5.50	3.90	41.05
1880	2.70	2.40	2.11	1.80	0.80	3.60	6.10	6.30	2.50	3.10	2.91	1.20	35.52
1881	2.70	2.60	2.50	0.60	3.50	3.20	2.00	3.60	2.30	3.80	4.70	5.60	37.10
1882	2.52	2.90	1.81	1.21	4.30	1.90	4.00	1.40	4.10	1.20	0.90	2.70	28.94
1883	2.40	3.20	2.60	2.00	3.10	3.00	6.00	2.40	3.60	2.60	1.70	2.50	35.10
1884	3.00	4.70	5.20	2.10	4.55	1.60	3.15	3.40	0.70	1.70	4.40	3.80	38.30
1885	4.40	2.00	1.80	1.80	2.00	1.60	4.90	7.90	2.70	5.90	4.30	3.60	42.90
1886	4.60	2.70	2.20	2.60	2.90	2.20	3.90	3.20	4.52	2.03	4.90	2.70	38.45
1887	5.50	5.90	4.30	2.50	2.20	4.70	5.60	5.00	1.70	2.00	3.70	4.20	47.30
1888	3.80	2.00	4.60	3.00	3.60	2.50	3.00	4.70	6.10	4.85	6.20	3.50	47.85
1889	4.80	3.25	4.30	1.40	3.60	5.20	6.50	2.00	5.00	2.90	5.50	3.00	47.45
1890	3.70	4.40	3.70	2.10	7.60	2.90	4.00	8.85	3.95	4.80	2.00	3.30	51.30
1891	6.10	3.30	3.20	2.40	3.10	3.62	3.85	3.50	1.60	2.00	2.05	3.50	38.22
1892	4.20	1.50	1.50	1.05	7.00	7.86	0.91	4.50	1.55	1.90	3.35	1.55	36.87
1893	1.90	5.10	1.90	2.12	2.58	2.05	3.34	5.78	1.58	2.65	1.75	5.30	36.05
1894	3.45	3.80	1.10	1.40	4.01	6.15	1.22	2.95	3.70	3.10	3.42	3.00	37.30
1895	1.90	1.51	1.39	3.11	2.60	2.17	2.08	2.82	2.40	1.78	4.86	5.11	31.73
1896	1.05	4.35	4.85	0.61	0.90	1.88	4.56	3.06	3.37	3.30	3.35	0.61	31.89
1897	3.15	1.95	3.15	3.05	5.52	5.25	6.85	6.32	1.25	1.00	5.35	3.54	46.38
Av.	3.39	2.94	3.20	2.61	3.45	3.58	4.12	4.02	3.07	2.88	3.54	3.17	39.97

RAINFALL AT VERNON, VT. Elevation, 310 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	4.62	3.07	2.91	2.66	2.88	2.38	4.49	2.32	4.67	3.02	4.40	3.34	40.76
1887	5.38	5.79	3.54	3.58	1.24	6.18	6.12	10.27	1.22	1.57	2.84	3.62	51.35
1888	4.67	4.33	7.27	3.77	3.98	2.37	1.16	6.88	10.94	6.71	5.43	3.01	60.52
1889	4.97	1.90	1.73	1.89	3.91	3.84	11.02	2.16	5.58	4.64	6.40	4.55	52.59
1890	3.31	4.93	5.17	1.91	5.19	1.83	3.01	6.46	6.75	6.66	1.96	2.18	49.36
1891	7.52	2.76	2.59	3.37	1.75	3.47	4.84	3.30	0.83	2.02	2.80	3.89	39.14
1892	5.19	2.23	1.93	0.58	5.69	2.90	3.88	7.26	3.04	0.99	4.73	1.07	39.49
1893	3.77	5.51	2.94	4.29	5.19	3.80	1.64	7.86	2.73	3.54	1.62	4.16	47.05
1894	2.08	2.31	1.28	1.70	2.69	2.24	2.34	0.57	6.13	4.15	2.83	3.04	31.36
1895	3.18	0.76	2.00	5.81	1.25	2.44	2.97	3.61	3.80	3.99	5.13	2.91	37.85
1896	0.94	4.00	6.03	1.19	2.06	1.13	3.76	2.32	5.65	2.51	3.86	0.91	34.36
1897	3.71	2.18	3.68	2.68	3.49	5.96	13.65	2.98	2.13	1.75	7.41	7.36	56.98
1898	6.66	4.68	1.19	3.70	4.52	6.95	2.33	4.91	2.19	8.18	2.94	2.20	50.45
1899	3.15	3.68	7.22	1.67	0.89	5.35	5.77	1.96	4.03	2.08	1.79	3.07	40.66
1900	4.11	7.22	5.49	1.92	3.81	3.34	4.10	3.70	1.92	2.68	10.12	1.97	50.38
1901	1.93	0.54	6.54	6.17	4.66	1.76	5.24	5.74	4.82	3.87	1.22	7.61	50.10
1902	1.64	...	...	4.77	1.80	3.46	8.01	3.06	...	...	...	...	...
Av.	4.07	3.49	3.84	2.93	3.33	3.50	4.77	4.52	4.15	3.65	4.09	3.43	45.77

RAINFALL AT WELLS, VT. Elevation, 750 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	4.92	1.84	1.91	0.73	6.15	7.44	4.64	6.45	2.07	1.76	3.84	1.07	42.82
1893	1.56	5.83	1.96	1.82	4.12	1.63	4.77	9.18	2.11	2.54	1.38	3.66	40.56
1894	1.96	1.61	1.54	1.35	2.70	3.25	2.37	2.41	3.31	3.67	2.62	1.91	28.70
1895	1.38	0.95	1.78	3.36	2.63	2.81	5.06	5.07	2.71	1.03	5.25	3.20	35.23
1896	0.83	3.23	6.24	1.23	1.85	2.88	3.06	4.99	6.61	3.62	3.36	1.20	39.10
1897	3.41	1.55	3.88	3.19	5.60	5.26	10.07	5.74	2.38	1.28	6.59	3.33	52.28
1898	4.80	5.25	1.04	2.58	2.82	3.57	2.46	7.70	5.16	4.58	3.56	1.79	45.31
1899	1.85	1.87	5.63	1.68	1.84	2.23	3.99	0.71	5.61	1.78	1.68	2.98	31.85
1900	3.49	4.75	3.70	0.96	2.51	3.44	3.34	3.92	2.58	2.68	5.34	1.94	38.65
1901	1.32	0.94	4.82	2.89	3.14	2.41	3.66	3.90	2.49	1.93	2.02	4.28	33.80
1902	1.39	1.55	3.60	2.40	3.49	4.09	7.54	3.00	3.46	5.31	1.03	3.80	40.66
1903	2.70	3.13	6.45	0.91	0.43	4.68	2.69	5.93	2.08	3.82	1.85	2.65	37.32
1904	2.38	2.11	1.79	3.47	3.76	2.88	4.92	3.48	6.10	3.38	1.15	1.93	37.35
1905	1.74	1.57	2.62	2.51	2.29	6.77	5.09	2.78	5.90	1.60	2.11	2.44	37.42
1906	2.32	2.74	3.21	2.12	6.39	4.58	3.37	2.67	2.18	3.80	2.12	3.13	38.63
1907	2.04	1.08	2.02	3.75	4.00	2.33	2.83	1.20	8.20	4.78	3.39	3.66	39.28
1908	1.97	3.42	1.89	2.96	3.88	2.87	3.02	3.59	0.81	2.74	1.00	2.28	30.43
1909	4.22	5.33	2.29	3.30	4.91	2.86	1.76	3.68	4.08	1.19	1.84	1.92	37.38
1910	4.19	5.01	1.06	2.14	4.11	2.75	2.04	5.03	5.99	1.53	3.06	3.33	40.24
1911	2.71	1.69	1.73	0.88	1.68	2.86	4.41	3.27	4.51	4.90	2.44	3.33	34.41
1912	2.20	1.66	4.34	3.72	6.54	1.22	3.40	4.49	5.98	3.57	2.50	3.18	42.80
1913	3.75	2.31	8.22	1.75	3.68	1.32	2.84	1.89	2.62	6.20	1.66	2.87	39.11
Av.	2.59	2.70	3.26	2.26	3.57	3.37	3.97	4.14	3.95	3.08	2.72	2.72	38.33

RAINFALL AT WOODSTOCK, VT. Elevation, 700 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1857	2.83	1.50	2.53	3.67	6.46	3.45	4.49	6.12	1.53	6.32	2.55	4.00	45.45
1858	2.16	1.40	0.82	1.90	3.44	2.66	5.40	2.54	5.34	4.17	3.38	2.49	35.70
1868	3.50	...	...	...	...	...	...	...	...	...	...	2.50	...
1869	2.20	4.00	...	...	...	2.85	1.76	2.24	3.44	12.90	2.29	2.94	...
1870	6.20	5.21	2.60	4.27	1.88	5.35	1.82	1.03	4.93	3.80	1.87	2.58	41.54
1871	1.96	3.09	3.37	2.37	3.74	1.54	4.67	3.93	1.73	2.06	2.83	2.51	33.80
1872	1.55	2.65	2.76	1.26	3.78	4.51	5.48	6.75	2.85	4.58	3.39	2.76	42.32
1873	4.49	2.02	4.95	1.89	1.72	1.26	7.61	1.73	3.84	7.66	3.71	3.18	44.06
1874	3.12	2.32	1.28	5.24	3.78	3.83	4.29	1.99	3.51	1.43	2.02	1.28	34.09
1875	3.16	2.10	3.34	2.43	4.19	5.03	3.41	3.34	2.11	4.27	2.90	1.76	38.04
1876	2.81	4.46	6.71	2.30	2.13	3.20	3.69	0.81	4.63	0.76	2.89	3.91	38.30
1877	2.67	0.30	4.52	2.22	1.32	6.50	6.57	3.58	1.07	5.96	4.95	0.69	40.35
1878	3.34	1.97	1.41	4.94	2.44	4.58	2.67	3.53	1.70	2.67	4.13	6.24	39.62
1879	2.33	2.55	4.15	2.99	0.62	5.60	3.50	2.84	4.03	0.87	4.66	3.18	37.32
1880	3.10	2.71	1.67	1.98	2.70	1.74	3.85	1.47	2.64	3.16	2.67	2.01	29.70
1881	2.96	2.25	2.76	0.95	3.62	2.19	3.74	1.62	2.76	3.19	3.09	4.51	33.64
1882	2.18	3.86	1.72	1.28	4.43	2.33	3.18	1.75	6.47	0.89	0.61	3.20	31.90
1883	2.41	3.20	2.08	1.48	3.14	3.03	5.56	1.04	2.83	3.39	2.15	2.38	32.69
1884	3.22	3.62	4.48	2.31	3.00	1.88	2.36	2.12	0.70*	2.04	4.35	4.09	34.17
1885	4.42	2.85	1.55	1.98	2.04	2.28	3.29	8.48	2.35	4.70	4.53	2.80	41.27
1886	4.60*	2.70*	2.20*	2.60*	2.90*	2.20*	3.90*	3.20*	4.52*	2.03*	4.90*	2.70*	38.45
1887	5.50*	5.90*	4.30*	2.50*	2.20*	4.70*	5.95	4.50	1.70*	1.38	3.52	3.87	46.02
1888	2.70	2.92	4.53	3.00*	3.60*	2.50*	3.00*	4.70*	6.10*	4.85*	6.20*	3.50*	47.60

RAINFALL AT WOODSTOCK, VT. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1889	4.80*	3.25*	4.30*	1.40*	3.60*	5.20*	6.50*	2.00*	5.00*	2.90*	5.50*	3.00*	47.45
1890	3.70*	4.40*	3.70*	2.10*	7.60*	2.90*	4.00*	8.85*	3.95*	4.80*	2.00*	3.30*	51.30
1891	6.10*	3.30*	3.20*	2.40*	3.10*	3.62*	3.85*	3.50*	1.60*	2.00*	2.05*	3.50*	38.22
1892	4.20*	1.50*	1.50*	1.05*	7.00*	4.08	1.25	5.41	1.44	0.91	2.57	1.39	32.30
1893	1.66	5.15	1.73	2.19	5.62	2.22	3.05	5.39	1.36	3.02	1.57	3.67	36.63
1894	2.71	2.20	1.50	1.83	3.71	2.93	2.25	2.95	4.07	4.27	2.58	2.13	33.13
1895	2.21	0.73	1.77	7.15	2.46	2.09	3.25	2.70	2.91	1.46	5.36	4.84	36.93
1896	1.43	4.63	4.68	1.53	1.54	2.34	3.87	3.52	4.44	3.54	3.20	0.72	35.44
1897	3.76	2.09	3.21	3.63	5.54	6.23	6.04	1.61	1.99	1.06	5.57	3.54	44.27
1898	6.30	3.49	0.91	3.51	2.92	2.37	2.93	3.82	3.94	3.74	3.94	1.65	39.52
1899	1.85	2.70	6.96	1.22	0.92	2.02	4.71	2.70	3.44	2.10	1.49	2.21	32.32
1900	3.81	4.76	4.98	0.51	2.96	3.60	2.59	3.80	1.00	2.79	5.35	2.25	38.40
1901	2.06	0.35	4.17	5.23	6.64	1.33	3.50	2.32	2.06	1.65	1.47	5.34	36.12
1902	2.23	2.69	3.97	3.81	3.59	3.55	4.61	3.89	5.85	4.50	0.74	4.99	44.42
1903	3.11	3.59	4.33	1.03	0.80	6.05	5.14	4.03	0.73	3.69	1.38	3.22	37.10
1904	1.78	0.99	1 71	5.92	2.93	1.24	3.39	4.56	5.86	2.98	1.44	1.54	34.34
1905	2.00	1.30	2.18	1.63	1.60	4.82	6.77	3.75	6.60	1.71	3.51	2.68	38.55
1906	1.51	2.20	2.93	0.96	6.92	4.77	2.78	2.98	1.50	3.35	2.03	3.51	35.44
1907	1.77	0.79	2.00	3.57	3.36	3.87	2.81	0.81	7.07	4.16	3.79	3.76	37.76
1908	2.29	4.20	1.24	4.39	5.12	2.54	3.19	2.67	1.03	1.33	1.09	2.71	31.80
1909	4.46	5.14	2.91	2.24	4.28	3.57	2.27	3.89	3.92	1.20	2.15	2.75	38.78
1910	3.99	4.86	0.91	2.72	3.57	2.71	1.26	4.12	4.95	1.46	2.44	2.14	35.13
1911	1.80	2.50	3.52	0.97	2.39	2.44	6.72	2.69	4.19	5.07	2.31	2.68	37.28
1912	2.48	2.22	3.90	2.51	6.67	0.99	2.78	3.13	4.73	4.84	3.14	3.00	40.39
1913	3.69	1.63	6.59	1.62	4.30	0.57	3.08	1.80	1.23	6.27	1.92	3.41	36.11
Av.	3.12	2.83	3.10	2.58	3.53	3.23	3.93	3.35	3.31	3.15	3.04	2.99	38.16

* From Strafford, Vt.

MASSACHUSETTS.

RAINFALL AT ACUSHNET, MASS. Elevation, 50 feet.

(New Bedford Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1878	8.03	5.75	6.71	6.13	3.29	2.66	2.89	3.60	1.30	8.88	7.96	6.77	63.97
1879	3.31	2.57	6.27	7.13	2.25	4.34	4.89	5.74	2 86	1.02	4.44	4.63	49.45
1880	2.02	3.13	5.12	5.79	1.32	1.94	9.46	7.91	2.27	3.87	3.49	3.28	49.60
1881	5.82	7.48	7.21	2.16	3.17	8.92	1.80	1.28	5.24	0.75	6.51	2.98	53.32
1882	3.80	6.40	3.99	5.05	4.55	3.48	3.02	1.36	7.78	4.39	2.58	3.70	50.10
1883	5.92	4.44	1.63	2.80	3.70	2.14	4.97	0.70	2.68	8.05	3.82	3.55	44.40
1884	5.55	6.68	5.53	6.03	3.20	4.45	4.67	8.17	0.96	2.47	4.84	8.05	60.60
1885	6.14	4.03	1.38	2.13	3.63	3.61	2.54	3.48	1.49	6.14	2.23	4.78	41.58
1886	6.20	8.86	4.87	2.44	3.99	1.38	2.87	3.50	2.15	4.58	5.06	7.47	53.37
1887	5.71	5.80	5.65	4.85	2.82	3.51	2.68	3.22	1.01	4.56	3.19	4.92	47.92
1888	5.50	3.57	5.98	2.38	6.26	1.58	5.67	4.28	10.35	3.88	11.47	5.00	65.92
1889	7.42	2.69	4.21	5.51	5.17	3.03	5.17	6.82	3.68	6.10	8.77	2.71	61.28
1890	3.07	3.16	6.11	4.12	8.00	5.01	3.07	4.52	7.83	10.66	1.52	5.47	62.54
1891	10.08	7.16	7.34	3.80	2.04	1.80	2.73	2.32	2.10	8.73	4.07	5.02	57.19
1892	5.89	2.49	5.41	2.29	6.14	2.29	2.03	6.00	3.56	2.24	7.67	1.27	47.28
1893	2.83	8.13	6.06	6.17	5.78	3.59	1.71	4.69	3.18	4.10	3.98	6.59	56 81
1894	5.46	5.10	1.91	4.54	5.02	1.83	2.04	1.50	3.12	9.44	5.08	6.19	51.23

RAINFALL AT ACUSHNET, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	3.58	0.69	3.67	4.22	4.64	2.56	3.23	2.92	1.40	6.04	4.07	2.88	39.90
1896	2.35	3.76	6.33	1.07	3.55	5.83	4.38	3.30	8.05	3.37	3.67	3.67	49.33
1897	3.82	2.82	3.11	3.73	6.70	3.31	4.45	8.23	0.81	1.56	7.43	3.51	49.48
1898	5.09	7.08	3.75	5.59	6.04	1.13	6.54	7.06	1.84	9.66	9.40	2.24	65.42
1899	5.93	5.61	7.81	1.64	1.65	3.53	3.27	1.78	6.99	1.62	2.40	1.89	44.12
1900	3.24	5.49	4.03	2.42	5.27	0.84	2.75	1.76	3.26	5.90	2.82	4.21	41.99
1901	2.44	1.02	7.68	7.82	8.27	1.68	1.84	2.87	2.61	3.02	2.06	9.71	51.02
1902	1.85	4.27	6.34	4.13	1.14	2.83	0.50	0.82	3.92	4.91	1.64	6.62	38.97
1903	4.52	4.28	9.11	5.71	1.24	4.70	2.72	4.11	1.08	4.18	3.05	2.91	47.61
1904	4.27	3.38	1.74	9.60	3.24	4.00	2.10	4.71	1.90	1.38	0.92	3.36	40.60
1905	1.80	2.12	2.63	1.55	1.07	6.38	1.72	2.72	7.65	1.74	2.56	4.91	36.85
1906	3.65	4.62	7.84	2.59	5.35	3.02	4.71	2.10	3.98	3.92	2.88	3.99	48.65
1907	2.77	1.95	2.03	2.28	2.69	1.05	1.01	0.91	9.31	1.97	6.86	8.27	41.10
1908	2.92	3.16	4.19	2.02	2.66	0.14	1.36	4.27	1.05	8.54	1.08	3.96	35.35
1909	2.80	6.05	4.78	6.02	3.48	1.94	0.35	3.16	4.38	1.21	5.50	3.10	42.77
1910	3.82	4.51	2.29	1.98	3.61	3.15	2.12	2.57	1.32	2.17	4.22	3.00	34.76
1911	3.47	2.44	3.36	3.85	1.06	1.73	5.03	4.00	2.37	2.48	6.87	3.96	40.62
1912	3.86	4.05	8.29	3.63	4.18	0.10	0.94	4.92	2.23	0.93	3.55	6.92	43.60
1913	4.98	4.10	3.14	5.01	1.70	0.75	1.83	5.09	2.86	10.50	2.66	4.56	47.18
Av.	4.44	4.41	4.93	4.12	3.83	2.90	3.14	3.79	3.57	4.58	4.45	4.61	48.77

RAINFALL AT AMHERST, MASS. Elevation, 222 feet.

1836–1875, Prof. E. S. Snell; 1876–1882, Miss S. C. Snell; 1883–1888, State Experiment Station; 1889–1913, Hatch Experiment Station.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1836	4.21	3.83	3.13	1.98	2.59	3.45	6.02	0.96	2.28	3.02	3.49	5.80	40.76
1837	1.75	2.42	2.65	4.33	5.76	4.49	7.35	2.57	1.07	2.06	1.90	2.35	38.70
1838	2.45	1.67	1.69	2.02	3.63	4.90	2.27	3.95	6.38	4.12	5.77	0.96	39.81
1839	1.66	1.75	1.69	4.14	3.49	3.30	9.56	2.51	2.82	1.78	3.04	7.09	42.83
1840	3.15	2.03	3.18	3.98	1.91	4.60	3.34	6.82	5.20	5.04	4.61	3.15	47.01
1841	5.80	1.50	2.85	4.52	3.47	1.65	2.55	3.18	3.50	3.73	2.80	6.08	41.63
1842	1.02	3.78	2.39	2.92	2.40	3.18	1.95	7.42	3.23	2.84	3.73	3.19	38.05
1843	1.99	3.49	5.73	4.82	2.09	5.18	2.53	9.38	1.57	9.45	3.07	2.28	51.58
1844	3.44	2.18	4.12	0.57	5.59	3.00	3.81	4.93	1.84	6.49	2.12	2.49	40.58
1845	4.97	3.37	3.56	1.70	2.42	2.57	3.31	2.79	2.58	4.66	3.90	3.91	39.74
1846	2.74	2.55	4.35	1.54	4.33	3.10	3.25	2.44	0.47	2.09	4.96	3.10	34.92
1847	4.86	4.88	3.57	1.41	1.91	4.44	4.48	4.06	3.63	3.99	4.17	6.41	47.81
1848	2.92	2.60	3.03	1.55	6.18	2.58	4.72	1.53	2.49	3.15	3.09	5.54	39.38
1849	0.99	0.99	4.21	2.24	3.61	1.53	2.25	7.86	1.40	6.36	3.65	3.36	38.45
1850	4.75	3.56	1.86	3.93	8.72	2.88	6.81	6.50	4.93	3.65	2.63	5.37	55.59
1851	1.66	5.08	1.28	4.43	4.07	3.60	4.31	3.03	2.05	5.43	5.30	3.17	43.50
1852	2.42	3.35	3.26	4.71	2.30	2.54	3.38	5.19	2.48	1.76	6.43	4.88	42.70
1853	2.11	6.69	2.39	3.79	5.40	2.64	3.59	7.13	5.66	3.75	6.24	1.84	51.23
1854	2.01	4.53	3.11	8.33	3.19	1.75	3.53	0.99	5.46	2.31	7.48	2.39	45.08
1855	5.06	2.70	1.08	3.85	1.49	5.19	6.10	2.55	0.55	10.08	4.12	5.41	48.18
1856	2.48	0.79	1.12	2.51	5.31	1.92	1.96	12.13	3.47	1.40	2.85	4.19	40.13
1857	3.55	2.41	2.12	7.68	6.82	2.66	4.98	3.14	3.04	3.88	2.07	5.31	47.66
1858	3.52	1.60	0.80	3.20	2.98	4.62	6.73	4.82	4.14	3.86	2.16	3.16	41.59
1859	4.89	3.54	6.27	2.96	4.08	6.16	2.61	6.65	4.47	1.85	2.96	4.85	51.29
1860	1.21	2.98	1.58	1.28	4.57	3.57	6.13	2.68	6.12	2.18	3.52	3.84	39.66

RAINFALL AT WOODSTOCK, VT. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1889	4.80*	3.25*	4.30*	1.40*	3.60*	5.20*	6.50*	2.00*	5.00*	2.90*	5.50*	3.00*	47.45
1890	3.70*	4.40*	3.70*	2.10*	7.60*	2.90*	4.00*	8.85*	3.95*	4.80*	2.00*	3.30*	51.30
1891	6.10*	3.30*	3.20*	2.40*	3.10*	3.62*	3.85*	3.50*	1.60*	2.00*	2.05*	3.50*	38.22
1892	4.20*	1.50*	1.50*	1.05*	7.00*	4.08	1.25	5.41	1.44	0.91	2.57	1.39	32.30
1893	1.66	5.15	1.73	2.19	5.62	2.22	3.05	5.39	1.36	3.02	1.57	3.67	36.63
1894	2.71	2.20	1.50	1.83	3.71	2.93	2.25	2.95	4.07	4.27	2.58	2.13	33.13
1895	2.21	0.73	1.77	7.15	2.46	2.09	3.25	2.70	2.91	1.46	5.36	4.84	36.93
1896	1.43	4.63	4.68	1.53	1.54	2.34	3.87	3.52	4.44	3.54	3.20	0.72	35.44
1897	3.76	2.09	3.21	3.63	5.54	6.23	6.04	1.61	1.99	1.06	5.57	3.54	44.27
1898	6.30	3.49	0.91	3.51	2.92	2.37	2.93	3.82	3.94	3.74	3.94	1.65	39.52
1899	1.85	2.70	6.96	1.22	0.92	2.02	4.71	2.70	3.44	2.10	1.49	2.21	32.32
1900	3.81	4.76	4.98	0.51	2.96	3.60	2.59	3.80	1.00	2.79	5.35	2.25	38.40
1901	2.06	0.35	4.17	5.23	6.64	1.33	3.50	2.32	2.06	1.65	1.47	5.34	36.12
1902	2.23	2.69	3.97	3.81	3.59	3.55	4.61	3.89	5.85	4.50	0.74	4.99	44.42
1903	3.11	3.59	4.33	1.03	0.80	6.05	5.14	4.03	0.73	3.69	1.38	3.22	37.10
1904	1.78	0.99	1.71	5.92	2.93	1.24	3.39	4.56	5.86	2.98	1.44	1.54	34.34
1905	2.00	1.30	2.18	1.63	1.60	4.82	6.77	3.75	6.60	1.71	3.51	2.68	38.55
1906	1.51	2.20	2.93	0.96	6.92	4.77	2.78	2.98	1.50	3.35	2.03	3.51	35.44
1907	1.77	0.79	2.00	3.57	3.36	3.87	2.81	0.81	7.07	4.16	3.79	3.76	37.76
1908	2.29	4.20	1.24	4.39	5.12	2.54	3.19	2.67	1.03	1.33	1.09	2.71	31.80
1909	4.46	5.14	2.91	2.24	4.28	3.57	2.27	3.89	3.92	1.20	2.15	2.75	38.78
1910	3.99	4.86	0.91	2.72	3.57	2.71	1.26	4.12	4.95	1.46	2.44	2.14	35.13
1911	1.80	2.50	3.52	0.97	2.39	2.44	6.72	2.69	4.19	5.07	2.31	2.68	37.28
1912	2.48	2.22	3.90	**2.51**	6.67	0.99	2.78	3.13	4.73	4.84	3.14	3.00	40.39
1913	3.69	1.63	6.59	1.62	4.30	0.57	3.08	1.80	1.23	6.27	1.92	3.41	36.11
Av.	3.12	2.83	3.10	2.58	3.53	3.23	3.93	3.35	3.31	3.15	3.04	2.99	38.16

* From Strafford, Vt.

MASSACHUSETTS.

RAINFALL AT ACUSHNET, MASS. Elevation, 50 feet.

(New Bedford Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1878	8.03	5.75	6.71	6.13	3.29	2.66	2.89	3.60	1.30	8.88	7.96	6.77	63.97
1879	3.31	2.57	6.27	7.13	2.25	4.34	4.89	5.74	2 86	1.02	4.44	4.63	49.45
1880	2.02	3.13	5.12	5.79	1.32	1.94	9.46	7.91	2.27	3.87	3.49	3.28	49.60
1881	5.82	7.48	7.21	2.16	3.17	8.92	1.80	1.28	5.24	0.75	6.51	2.98	53.32
1882	3.80	6.40	3.99	5.05	4.55	3.48	3.02	1.36	7.78	4.39	2.58	3.70	50.10
1883	5.92	4.44	1.63	2.80	3.70	2.14	4.97	0.70	2.68	8.05	3.82	3.55	44.40
1884	5.55	6.68	5.53	6.03	3.20	4.45	4.67	8.17	0.96	2.47	4.84	8.05	60.60
1885	6.14	4.03	1.38	2.13	3.63	3.61	2.54	3.48	1.49	6.14	2.23	4.78	41.58
1886	6.20	8.86	4.87	2.44	3.99	1.38	2.87	3.50	2.15	4.58	5.06	7.47	53.37
1887	5.71	5.80	5.65	4.85	2.82	3.51	2.68	3.22	1.01	4.56	3.19	4.92	47.92
1888	5.50	3.57	5.98	2.38	6.26	1.58	5.67	4.28	10.35	3.88	11.47	5.00	65.92
1889	7.42	2.69	4.21	5.51	5.17	3.03	5.17	6.82	3.68	6.10	8.77	2.71	61.28
1890	3.07	3.16	6.11	4.12	8.00	5.01	3.07	4.52	7.83	10.66	1.52	5.47	62.54
1891	10.08	7.16	7.34	3.80	2.04	1.80	2.73	2.32	2.10	8.73	4.07	5.02	57.19
1892	5.89	2.49	5.41	2.29	6.14	2.29	2.03	6.00	3.56	2.24	7.67	1.27	47.28
1893	2.83	8.13	6.06	6.17	5.78	3.59	1.71	4.69	3.18	4.10	3.98	6.59	56.81
1894	5.46	5.10	1.91	4.54	5.02	1.83	2.04	1.50	3.12	9.44	5.08	6.19	51.23

RAINFALL AT ACUSHNET, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	3.58	0.69	3.67	4.22	4.64	2.56	3.23	2.92	1.40	6.04	4.07	2.88	39.90
1896	2.35	3.76	6.33	1.07	3.55	5.83	4.38	3.30	8.05	3.37	3.67	3.67	49.33
1897	3.82	2.82	3.11	3.73	6.70	3.31	4.45	8.23	0.81	1.56	7.43	3.51	49.48
1898	5.09	7.08	3.75	5.59	6.04	1.13	6.54	7.06	1.84	9.66	9.40	2.24	65.42
1899	5.93	5.61	7.81	1.64	1.65	3.53	3.27	1.78	6.99	1.62	2.40	1.89	44.12
1900	3.24	5.49	4.03	2.42	5.27	0.84	2.75	1.76	3.26	5.90	2.82	4.21	41.99
1901	2.44	1.02	7.68	7.82	8.27	1.68	1.84	2.87	2.61	3.02	2.06	9.71	51.02
1902	1.85	4.27	6.34	4.13	1.14	2.83	0.50	0.82	3.92	4.91	1.64	6.62	38.97
1903	4.52	4.28	9.11	5.71	1.24	4.70	2.72	4.11	1.08	4.18	3.05	2.91	47.61
1904	4.27	3.38	1.74	9.60	3.24	4.00	2.10	4.71	1.90	1.38	0.92	3.36	40.60
1905	1.80	2.12	2.63	1.55	1.07	6.38	1.72	2.72	7.65	1.74	2.56	4.91	36.85
1906	3.65	4.62	7.84	2.59	5.35	3.02	4.71	2.10	3.98	3.92	2.88	3.99	48.65
1907	2.77	1.95	2.03	2.28	2.69	1.05	1.01	0.91	9.31	1.97	6.86	8.27	41.10
1908	2.92	3.16	4.19	2.02	2.66	0.14	1.36	4.27	1.05	8.54	1.08	3.96	35.35
1909	2.80	6.05	4.78	6.02	3.48	1.94	0.35	3.16	4.38	1.21	5.50	3.10	42.77
1910	3.82	4.51	2.29	1.98	3.61	3.15	2.12	2.57	1.32	2.17	4.22	3.00	34.76
1911	3.47	2.44	3.36	3.85	1.06	1.73	5.03	4.00	2.37	2.48	6.87	3.96	40.62
1912	3.86	4.05	8.29	3.63	4.18	0.10	0.94	4.92	2.23	0.93	3.55	6.92	43.60
1913	4.98	4.10	3.14	5.01	1.70	0.75	1.83	5.09	2.86	10.50	2.66	4.56	47.18
Av.	4.44	4.41	4.93	4.12	3.83	2.90	3.14	3.79	3.57	4.58	4.45	4.61	48.77

RAINFALL AT AMHERST, MASS. Elevation, 222 feet.

1836–1875, Prof. E. S. Snell; 1876–1882, Miss S. C. Snell; 1883–1888, State Experiment Station; 1889–1913, Hatch Experiment Station.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1836	4.21	3.83	3.13	1.98	2.59	3.45	6.02	0.96	2.28	3.02	3.49	5.80	40.76
1837	1.75	2.42	2.65	4.33	5.76	4.49	7.35	2.57	1.07	2.06	1.90	2.35	38.70
1838	2.45	1.67	1.69	2.02	3.63	4.90	2.27	3.95	6.38	4.12	5.77	0.96	39.81
1839	1.66	1.75	1.69	4.14	3.49	3.30	9.56	2.51	2.82	1.78	3.04	7.09	42.83
1840	3.15	2.03	3.18	3.98	1.91	4.60	3.34	6.82	5.20	5.04	4.61	3.15	47.01
1841	5.80	1.50	2.85	4.52	3.47	1.65	2.55	3.18	3.50	3.73	2.80	6 08	41.63
1842	1.02	3.78	2.39	2.92	2.40	3.18	1.95	7.42	3.23	2.84	3.73	3.19	38.05
1843	1.99	3.49	5.73	4.82	2.09	5.18	2.53	9.38	1.57	9.45	3.07	2.28	51.58
1844	3.44	2.18	4.12	0.57	5.59	3.00	3.81	4.93	1.84	6.49	2.12	2.49	40.58
1845	4.97	3.37	3.56	1.70	2.42	2.57	3.31	2.79	2.58	4.66	3.90	3.91	39.74
1846	2.74	2.55	4.35	1.54	4.33	3.10	3.25	2.44	0.47	2.09	4.96	3.10	34.92
1847	4.86	4.88	3.57	1.41	1.91	4.44	4.48	4.06	3.63	3.99	4.17	6.41	47.81
1848	2.92	2.60	3.03	1.55	6.18	2.58	4.72	1.53	2.49	3.15	3.09	5.54	39.38
1849	0.99	0.99	4.21	2.24	3.61	1.53	2.25	7.86	1.40	6.36	3.65	3.36	38.45
1850	4.75	3.56	1.86	3.93	8.72	2.88	6.81	6.50	4.93	3.65	2.63	5.37	55.59
1851	1.66	5.08	1.28	4.43	4.07	3.69	4.31	3.03	2.05	5.43	5.30	3.17	43.50
1852	2.42	3.35	3.26	4.71	2.30	2.54	3.38	5.19	2.48	1.76	6.43	4.88	42.70
1853	2.11	6.69	2.39	3.79	5.40	2.64	3.59	7.13	5.66	3.75	6.24	1.84	51.23
1854	2.01	4.53	3.11	8.33	3.19	1.75	3.53	0.99	5.46	2.31	7.48	2.39	45.08
1855	5.06	2.70	1.08	3.85	1.49	5.19	6.10	2.55	0.55	10.08	4.12	5.41	48.18
1856	2.48	0.79	1.12	2.51	5.31	1.92	1.96	12.13	3.47	1.40	2.85	4.19	40.13
1857	3.55	2.41	2.12	7.68	6.82	2.66	4.98	3.14	3.04	3.88	2.07	5.31	47.66
1858	3.52	1.60	0.80	3.20	2.98	4.62	6.73	4 82	4.14	3.86	2.16	3.16	41.59
1859	4.89	3.54	6.27	2.96	4.08	6.16	2.61	6.65	4.47	1.85	2.96	4.85	51.29
1860	1.21	2.98	1.58	1.28	4.57	3.57	6.13	2.68	6.12	2.18	3.52	3.84	39.66

RAINFALL AT AMHERST, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1861	4.34	3.28	3.76	5.65	4.45	2.69	5.23	4.10	2.75	4.53	3.98	2.17	46.93
1862	5.25	2.84	4.30	2.28	2.33	11.69	5.12	2.98	2.12	3.28	4.76	1.91	48.86
1863	5.05	4.43	5.60	2.33	3.59	4.09	8.64	6.11	2.16	4.04	5.28	4.87	56.19
1864	2.20	1.12	2.58	2.57	2.54	1.38	0.96	4.40	2.92	2.94	6.20	4.63	34.44
1865	3.48	2.88	5.98	2.90	7.89	2.94	3.72	1.86	0.37	4.98	2.45	3.54	42.99
1866	1.36	4.62	3.16	2.03	4.48	5.66	4.02	3.96	4.71	3.38	3.86	3.57	44.81
1867	1.32	3.65	3.12	3.79	4.61	5.67	4.00	9.16	1.11	3.85	4.31	1.51	46.10
1868	3.52	1.03	3.25	4.27	7.86	2.44	3.28	5.67	10.63	1.37	4.80	1.47	49.59
1869	3.47	4.14	5.46	1.53	5.65	5.99	2.98	1.04	4.32	11.36	2.59	4.96	53.49
1870	5.87	5.25	2.71	3.70	1.72	2.73	2.53	2.83	1.75	4.49	3.28	1.84	38.70
1871	1.96	2.91	3.99	3.09	3.82	6.58	3.52	6.45	1.30	6.09	3.51	2.67	45.89
1872	1.51	1.89	2.87	2.20	3.11	3.25	7.07	5.28	6.20	3.64	4.48	2.69	44.19
1873	5.01	2.17	3.18	1.74	3.91	1.59	2.93	3.47	4.77	6.36	3.51	3.31	41.95
1874	5.46	2.19	1.35	6.03	5.22	5.06	11.58	2.69	1.82	1.85	3.54	1.17	47.96
1875	2.90	3.62	4.20	3.33	2.19	2.89	8.15	6.17	4.65	3.89	3.97	1.03	46.99
1876	2.31	5.53	7.14	3.11	3.96	3.87	4.84	0.27	3.71	1.12	2.49	3.22	41.57
1877	2.52	0.36	6.97	2.45	1.93	4.59	6.47	2.79	0.91	6.99	5.44	1.02	42.44
1878	3.58	3.67	2.57	5.85	2.36	6.00	2.16	6.97	2.82	2.05	5.34	6.02	49.39
1879	1.75	3.49	4.98	3.85	3.32	5.37	5.75	5.89	2.59	1.80	2.35	4.85	45.99
1880	4.58	3.60	2.68	2.64	1.90	1.40	6.34	2.91	2.69	2.27	2.50	2.29	35.80
1881	4.01	1.77	4.86	1.65	4.28	3.95	1.50	2.76	2.37	4.24	4.58	6.15	42.12
1882	5.44	4.23	5.20	1.52	6.50	2.25	1.83	0.25	11.85	1.67	1.33	1.47	43.54
1883	3.24	4.03	1.70	2.18	6.20	3.99	3.69	1.57	3.17	4.31	1.80	2.99	38.87
1884	3.60	4.62	5.67	2.48	2.02	1.38	3.75	5.10	1.25	2.40	2.53	5.58	40.38
1885	3.78	3.88	0.86	3.38	3.08	3.49	2.07	8.31	0.85	3.65	5.54	3.54	42.43
1886	5.39	3.94	3.31	1.73	3.10	2.33	3.82	2.60	5.48	2.97	5.25	3.61	43.53
1887	4.57	5.05	4.05	2.98	1.13	5.09	8.93	7.75	1.22	2.10	3.35	4.11	50.33
1888	3.87	3.94	5.96	3.08	4.29	5.40	3.63	4.29	10.70	5.19	3.91	3.78	58.04
1889	1.70	1.22	1.43	2.87	4.71	5.01	9.09	2.72	3.17	4.58	6.04	3.57	46.11
1890	2.61	4.19	5.37	1.73	5.39	1.53	5.63	4.88	5.85	7.13	1.32	2.86	48.49
1891	6.75	4.23	2.99	2.66	1.97	4.75	5.28	4.18	2.66	2.94	2.99	5.40	46.80
1892	5.85	1.90	2.40	0.76	6.28	3.46	4.41	6.47	2.16	0.66	4.98	1.01	40.34
1893	3.33	5.75	3.66	4.41	5.02	3.32	2.59	3.49	2.82	4.88	2.81	4.86	46.94
1894	2.16	1.74	1.77	1.83	4.00	3.13	1.55	0.31	4.63	4.85	3.14	3.53	32.64
1895	3.87	1.05	2.71	5.56	2.07	2.76	3.87	3.46	5.04	4.77	5.36	3.94	44.46
1896	1.07	4.67	6.11	1.32	2.58	2.57	4.96	3.84	5.41	3.23	3.03	0.87	39.66
1897	3.00	2.52	3.53	2.42	4.38	6.65	14.51	4.29	1.94	0.73	5.85	7.23	57.05
1898	7.15	3.80	1.63	3.73	5.61	3.69	4.09	6.85	3.65	6.27	5.48	2.30	54.25
1899	2.80	3.56	7.13	1.79	1.28	4.13	4.89	2.00	7.90	1.84	2.17	2.00	41 49
1900	4.08	8.12	5.76	1.85	3.78	3.65	4.67	4.11	3.67	3.72	5.87	2.40	51.68
1901	1.81	0.62	5.66	5.95	6.86	0.87	3.86	6.14	4.17	3.88	3.08	7.77	50.67
1902	1.72	3.54	5.29	3.31	2.32	4.54	4.66	4.65	5.83	5.59	1.27	4.27	46.99
1903	3.28	4.27	6.40	2.30	0.48	7.79	4.64	4.92	1.66	2.72	2.04	3.95	44.45
1904	4.74	2.45	4.48	5.73	4.55	5.35	2.62	4.09	5.45	1.74	1.35	2.75	45.30
1905	3.90	1.70	3.66	2.56	1.28	2.86	2.63	6.47	6.26	2.27	2.06	3.15	38.80
1906	2.18	2.73	4.90	3.25	4.95	2.82	3.45	6.42	2.59	5.69	1.98	4.49	45.45
1907	2.73	1.92	1.82	1.98	4.02	2.61	3.87	1.44	8.74	5.00	4.50	3.89	42.52
1908	2.25	3.53	2.86	1.97	4.35	0.76	3.28	4.27	1.73	1.57	1.06	3.05	30.68
1909	3.56	5.16	3.01	5.53	3.36	2.24	2.24	3.80	4.99	1.23	1.06	2.95	39.13
1910	6.14	5.08	1.37	3.07	2.67	2.65	1.90	4.03	2.86	0.93	3.69	1.72	36.11

RAINFALL AT AMHERST, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1911	2.36	2.18	3.80	1.87	1.37	2.02	4.21	5.92	3.41	8.81	3.84	4.42	44.21
1912	2.18	3.16	5.70	3.92	4.34	0.77	2.61	3.22	2.52	2.07	4.03	4.04	38.56
1913	3.98	2.94	6.38	3.30	4.94	0.90	1.59	2.26	2.56	5.16	2.11	3.38	39.50
Av.	3.36	3.21	3.62	3.13	3.83	3.59	4.40	4.32	3.64	3.82	3.64	3.59	44.15

RAINFALL AT ANDOVER, MASS. Elevation, 250 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1782	3.0	1.5	3.8	4.3	4.5	3.4	2.6	3.2	0.2	7.4	4.0	2.9	40.8
1783	2.2	5.4	1.7	0.4	3.6	2.3	9.2	4.3	2.0	10.7	5.0	2.9	49.7
1784	6.5	1.8	2.2	7.1	3.1	2.5	4.5	7.3	4.3	2.1	11.7	7.2	60.3
1785	3.7	4.3	4.5	4.2	6.4	5.2	4.3	1.1	9.2	10.1	4.1	5.4	62.5
1786	2.5	2.3	3.7	4.3	7.2	2.1	3.6	3.7	3.4	2.0	1.8	4.9	41.5
1793	3.1	5.0	3.0	1.2	1.0	3.4	5.0	2.7	2.9	4.0	5.1	3.8	40.2
1798	3.9	2.6	5.6	4.2	5.9	4.3	2.1	2.0	3.2	9.3	2.6	2.0	47.7
1800	1.5	3.6	3.8	7.0	4.8	2.5	2.3	7.2	2.1	5.6	4.6	4.3	49.3
1803	3.5	5.0	4.2	2.2	2.7	1.7	10.9	1.5	1.3	4.5	6.5	5.4	49.4
Av.	3.3	3.5	3.6	3.9	4.4	3.0	4.9	3.7	3.2	6.2	5.0	4.3	49.0

RAINFALL AT ASHLAND, MASS. Elevation, 250 feet.
(Ashland Reservoir, Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	2.52	3.41	7.74	2.66	5.48	2.09	2.55	4.01	5.49	10.76	1.15	5.42	53.28
1891	7.12	5.35	6.32	4.05	1.85	4.17	3.72	4.23	2.41	3.96	3.14	3.61	49.93
1892	5.70	3.08	4.11	0.81	5.60	2.77	4.24	4.40	3.09	1.06	5.79	1.11	41.76
1893	2.92	8.24	3.66	3.82	6.28	2.29	2.23	5.45	1.67	4.05	2.16	4.78	47.55
1894	3.95	3.91	1.46	3.55	4.10	1.20	2.69	2.12	2.49	5.49	3.42	4.81	39.19
1895	4.24	1.34	3.01	5.12	2.10	2.31	4.91	4.30	2.41	8.93	7.67	3.50	49.84
1896	2.30	7.02	6.10	1.29	2.32	3.30	2.88	2.05	8.05	3.69	3.12	2.08	44.20
1897	3.87	2.97	3.89	2.79	4.28	4.47	5.55	4.07	3.36	0.53	6.36	5.35	47.49
1898	7.11	4.70	2.40	4.59	3.40	2.25	4.65	7.54	2.81	6.72	6.64	3.28	56.09
1899	4.29	4.99	7.15	1.82	1.72	2.34	3.17	1.49	4.13	2.84	1.96	1.69	37.59
1900	4.94	9.12	6.17	2.43	4.06	3.27	2.50	2.45	3.31	3.65	5.97	2.81	50.68
1901	1.97	1.74	6.73	8.34	6.72	1.39	6.37	4.82	3.62	2.62	2.91	10.30	57.53
1902	2.34	6.34	4.72	3.79	1.62	3.25	3.05	2.79	3.99	4.32	1.43	6.32	43.96
1903	3.83	4.02	6.58	2.91	0.67	8.05	2.86	3.69	1.46	4.78	1.62	3.19	43.66
1904	4.63	3.06	2.76	8.99	2.70	2.27	1.57	3.81	6.08	1.69	1.73	3.11	42.40
1905	5.28	2.00	3.10	2.48	1.46	4.46	4.96	2.70	6.97	1.52	2.06	3.94	40.93
1906	2.46	2.94	6.45	2.77	5.67	3.76	3.47	3.24	3.42	3.51	2.64	4.53	44.86
1907	3.16	2.13	1.86	3.39	3.53	2.91	2.03	1.05	8.07	4.07	6.05	4.58	42.83
1908	3.43	4.60	3.84	1.81	5.94	0.90	3.48	4.30	0.89	2.53	0.90	3.07	35.69
1909	3.98	5.75	4.30	3.98	2.34	3.21	1.24	2.74	4.59	1.13	3.38	4.01	40.65
1910	5.45	4.95	0.91	2.61	1.16	5.06	2.37	2.86	2.58	1.71	4.04	2.64	36.34
1911	2.80	2.74	3.57	2.96	1.05	2.37	2.98	5.15	2.67	3.45	4.61	3.67	38.02
1912	2.99	2.64	6.66	4.27	4.65	0.49	3.84	2.64	1.56	2.32	3.32	4.99	40.37
1913	3.40	2.81	5.92	4.34	3.92	2.14	2.23	3.49	3.56	5.31	2.65	3.14	42.91
Av.	3.94	4.16	4.56	3.57	3.44	2.95	3.31	3.56	3.69	3.78	3.53	4.00	44.49

RAINFALL AT ATTLEBOROUGH, MASS. Elevation, 100 feet.
(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	1.92	6.17	4.75	0.98	2.12	3.78	1.73	2.84	8.75	3.11	3.57	1.11	40.83
1897	4.29	2.74	1.78	2.59	4.81	3.91	5.58	3.74	1.84	0.61	6.75	4.85	43.49
1898	3.21	6.18	2.47	6.75	4.31	1.33	8.25	7.01	2.79	7.57	5.77	2.07	57.71
1899	5.61	4.47	8.03	2.01	2.01	3.55	4.60	2.05	10.21	1.16	3.19	2.21	49.10
1900	4.26	8.99	5.73	1.86	6.17	3.16	2.63	2.09	4.41	3.25	4.44	2.92	49.91
1901	1.88	0.76	8.44	8.14	7.19	0.60	3.51	2.35	4.29	3.20	2.55	8.21	51.12
1902	2.23	6.62	5.40	3.37	1.09	4.47	4.02	2.87	3.67	4.83	1.67	6.06	46.30
1903	4.80	6.17	8.27	3.71	0.36	6.25	4.13	4.06	1.25	3.23	1.65	3.16	47.04
1904	5.09	3.72	3.15	9.80	2.20	1.28	1.66	4.13	7.04	2.33	2.09	3.80	46.29
1905	4.01	3.06	2.05	3.03	1.33	5.63	1.70	3.41	7.15	2.23	1.95	5.49	41.04
1906	3.40	3.42	5.45	2.69	5.76	2.69	7.37	3.19	4.36	4.80	2.40	2.28	47.81
1907	5.53	3.04	2.16	4.00	4.08	2.40	1.48	1.17	9.45	1.60	6.65	4.48	46.04
Av.	3.85	4.61	4.80	4.08	3.45	3.25	3.89	3.24	5.44	3.16	3.56	3.89	47.22

RAINFALL AT BARNSTABLE, MASS. Elevation, 31 feet.
(Hyannis)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	4.16	2.14	6.14	2.27	5.36	1.50	1.24	2.08	2.06	2.07	8.33	2.63	39.98
1893	2.47	5.82	5.90	4.86	4.05	5.59	3.08	5.39	3.01	1.47	2.26	6.56	50.46
1894	5.77	3.81	1.61	5.05	3.74	0.43	0.62	1.48	2.94	6.01	3.91	5.44	40.81
1895	3.08	1.39	4.23	1.73	3.63	1.05	2.85	3.89	1.19	2.77	4.42	3.75	33.98
1896	2.48	3.34	6.08	0.84	2.83	3.23	4.35	4.20	5.38	6.02	3.87	3.00	45.62
1897	2.71	2.23	3.01	5.57	2.89	1.97	4.44	4.37	1.05	1.74	7.96	3.52	41.46
1898	4.81	4.27	3.74	5.78	6.41	1.22	3.85	4.46	0.84	6.62	8.41	2.59	53.00
1899	3.66	5.87	8.33	1.55	0.91	5.10	3.52	1.88	2.58	2.39	1.22	1.27	38.28
1900	5.55	4.74	3.01	3.43	2.76	1.12	1.22	1.36	3.47	4.31	5.10	2.58	38.65
1901	3.14	1.20	6.86	5.70	9.64	1.27	3.40	2.18	4.23	0.86	2.20	8.48	49.16
1902	2.12	4.17	6.61	2.68	1.13	5.11	1.98	0.54	3.04	5.89	2.68	6.51	42.46
1903	4.18	4.48	7.25	3.72	0.96	3.25	2.28	4.10	1.85	5.77	6.11	3.17	47.12
1904	5.12	3.43	2.46	6.25	4.29	5.03	4.78	4.19	1.44	2.23	2.42	4.33	45.97
1905	4.42	2.01	3.26	1.33	1.75	5.78	1.94	4.14	5.63	1.87	3.18	4.00	39.31
1906	4.80	4.08	8.45	2.28	4.47	2.20	6.07	1.07	2.91	1.91	1.78	3.78	43.80
1907	4.07	2.54	2.66	3.49	5.13	1.68	0.62	1.61	4.96	1.92	5.88	5.19	39.75
1908	3.82	3.03	3.30	2.04	2.87	1.71	3.43	4.82	1.20	8.86	2.02	4.29	41.39
1909	5.12	5.56	3.81	4.35	2.57	1.31	0.55	2.26	4.61	3.61	6.76	2.66	43.17
1910	6.78	4.23	2.45	2.92	3.99	2.56	1.87	3.17	1.82	2.92	3.86	3.54	40.11
1911	3.46	3.16	3.22	4.99	0.76	6.70	3.72	7.12	3.25	2.47	5.72	3.28	47.85
1912	4.44	3.14	6.16	3.31	5.44	0.46	3.24	5.45	2.50	1.16	3.13	7.44	45.87
1913	5.49	4.00	2.89	5.46	2.12	0.87	0.92	6.91	3.07	8.05	1.78	3.38	44.94
Av.	4.17	3.57	4.61	3.62	3.53	2.69	2.73	3.48	2.86	3.68	4.23	4.15	43.32

RAINFALL AT BEDFORD, MASS. Elevation, 170 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	3.11	5.48	3.03	2.91	5.16	2.95	1.79	6.00	1.73	3.36	1.95	4.22	41.69
1894	2.70	2.61	1.07	2.41	4.04	1.83	3.08	1.62	2.42	3.96	2.58	2.68	31.00
1895	3.59	0.97	2.44	4.10	1.42	2.45	2.77	3.18	2.25	7.21	6.64	2.07	39.09
1896	2.17	5.45	5.63	1.32	2.22	2.44	2.95	2.64	6.73	3.15	3.18	1.77	39.65
1897	4.09	2.52	3.75	2.26	4.39	3.88	4.50	3.45	2.99	0.35	5.55	4.15	41.88
1898	5.32	4.25	1.96	5.45	2.94	2.91	4.96	9.15	2.64	7.06	5.64	2.65	54.93
1899	3.51	3.82	6.06	1.71	1.22	3.90	3.35	3.43	3.73	1.76	2.57	0.99	36.05
1900	5.03	8.05	5.17	2.48	4.22	2.12	2.14	1.93	4.22	3.38	5.05	1.54	45.33
1901	1.57	1.18	5.10	6.66	6.92	1.49	6.00	3.05	2.41	2.69	2.58	8.00	47.65
1902	1.67	4.04	5.55	3.53	2.66	1.81	3.11	4.66	4.54	5.05	0.82	5.60	43.04
1903	3.16	3.03	5.98	3.18	0.63	8.31	2.87	2.71	1.71	4.66	1.48	2.67	40.39
1904	3.24	2.36	1.81	7.39	3.77	4.07	1.78	3.27	4.97	1.69	1.69	2.48	38.52
1905	4.38	1.08	2.89	2.34	0.91	4.86	1.81	4.35	8.32	1.42	1.84	4.05	38.25
1906	2.32	2.64	5.60	2.92	4.51	3.17	5.06	3.47	2.09	2.27	2.02	3.79	39.86
1907	2.88	1.56	1.86	2.66	3.24	3.45	2.72	1.22	8.33	4.20	5.24	3.73	41.09
1908	2.60	4.20	2.66	1.46	3.51	0.98	2.62	5.33	0.77	2.60	1.06	2.67	30.46
1909	3.77	4.75	3.17	4.63	2.25	2.53	3.52	2.26	3.70	1.19	2.93	3.08	37.78
1910	4.10	4.00	1.36	2.64	1.43	2.87	1.65	2.17	2.88	1.29	3.54	2.19	30.12
1911	2.45	1.66	3.21	1.80	1.05	3.46	3.86	4.50	3.04	3.04	3.90	3.32	35.29
1912	2.69	1.90	5.60	3.76	4.55	0.19	6.04	2.19	2.66	3.07	3.14	4.72	40.51
1913	2.28	2.75	3.90	3.63	4.22	1.29	1.86	2.60	2.97	5.98	2.07	2.23	35.78
Av.	3.17	3.25	3.71	3.30	3.11	2.90	3.26	3.48	3.58	3.30	3.12	3.27	39.45

RAINFALL AT BELCHERTOWN, MASS. Elevation, 440 feet.
(Springfield Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	3.96	3.94	1.47	2.12	2.95	1.05	1.64	0.76	3.56	3.77	3.86	3.01	32.09
1895	3.27	1.83	2.60	3.77	1.70	4.08	4.70	3.58	4.07	4.08	6.79	2.15	42.62
1896	1.48	5.45	5.97	1.92	1.81	3.68	5.00	3.13	5.39	3.54	2.74	1.45	41.56
1897	3.99	2.19	3.97	2.59	5.13	4.86	9.86	4.95	1.29	0.64	5.85	4.95	50.27
1898	5.77	4.84	2.38	4.53	4.46	2.55	2.91	7.29	2.40	7.10	6.22	2.14	52.59
1899	4.12	3.98	6.58	2.27	1.38	5.98	5.20	1.70	4.67	2.33	2.76	2.14	43.11
1900	3.23	8.27	6.24	1.79	3.98	3.00	5.06	3.67	2.81	3.80	6.54	2.70	51.09
1901	1.49	0.92	6.01	4.13	5.09	0.93	2.81	6.53	3.39	4.70	1.56	6.83	44.39
1902	1.80	1.18	5.77	1.19	2.24	3.05	4.92	4.33	4.90	4.87	1.02	6.32	41.59
1903	3.40	4.25	5.92	2.30	1.57	7.20	4.19	4.51	2.99	2.85	2.64	3.35	45.17
1904	3.97	2.81	3.15	6.04	4.57	5.45	3.34	4.87	4.67	1.50	1.53	2.23	44.13
1905	3.37	1.39	3.42	2.86	1.23	1.80	1.95	2.17	2.40	0.79	2.16	2.56	26.10
1906	2.67	2.46	5.28	2.99	6.16	6.81	6.51	4.43	3.04	5.49	2.36	1.44	49.64
1907	2.55	2.12	1.76	2.67	3.87	2.78	3.00	1.28	9.87	5.17	4.29	4.17	43.53
1908	2.75	3.41	2.99	2.24	4.01	2.19	4.68	6.92	0.96	1.61	0.98	2.53	35.27
1909	3.62	5.49	3.19	6.10	2.47	2.24	1.59	2.53	4.72	1.05	2.21	4.64	39.85
Av.	3.22	3.41	4.17	3.09	3.29	3.60	4.21	3.92	3.82	3.33	3.34	3.29	42.69

RAINFALL AT BOSTON, MASS. Elevation, 30 feet.

1818–1822, Dr. Enoch Hale; 1823–1865, Jonathan P. Hall; 1866–1884, Superintendent of Sewers; 1885–1890, Water Works Pipe Yard, 710 Albany Street; 1891–1894, Street Department, South Yard, 680 Albany Street; 1895–April, 1898, Water Works Pipe Yard, 710 Albany Street; May, 1898–1907, Water Works Pipe Yard, Gibson Street, Dorchester; 1908–1913, inclusive, Main Drainage Yard, 759 Massachusetts Avenue, corner Albany Street.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1818	2.64	3.49	4.05	6.15	5.96	3.47	4.08	0.46	7.81	2.11	1.91	0.86	42.99
1819	0.70	2.27	6.21	3.74	3.06	3.56	2.02	4.38	5.29	1.40	1.22	1.63	35.48
1820	3.12	4.25	4.90	0.45	5.08	3.42	4.19	5.15	2.43	5.39	3.00	2.80	44.18
1821	1.41	4.42	2.53	4.90	4.84	2.79	2.35	1.58	4.73	2.29	3.12	1.93	36.89
1822	1.29	2.34	2.02	2.99	0.78	3.54	4.32	1.20	2.15	2.53	2.58	1.46	27.20
1823	3.00	4.57	7.72	2.21	6.40	0.93	5.74	1.98	1.95	3.95	1.92	6.93	47.30
1824	3.95	5.99	1.81	4.72	1.43	1.60	0.88	3.68	6.43	1.01	1.72	2.80	36.02
1825	2.79	3.43	4.70	0.37	1.36	4.77	1.24	5.62	2.66	3.21	0.81	4.38	35.34
1826	2.55	1.48	3.81	1.50	0.25	3.85	2.90	12.10	3.03	3.80	2.31	3.56	41.14
1827	3.92	2.97	2.51	4.75	5.34	2.56	2.59	4.88	4.81	5.28	5.71	3.59	48.91
1828	2.15	2.79	1.84	2.00	4.67	1.59	4.58	0.37	3.82	2.79	5.55	0.26	32.41
1829	4.93	5.62	4.30	3.45	2.71	1.64	6.98	4.95	2.62	1.65	5.74	2.26	46.85
1830	2.36	1.63	3.51	1.21	3.93	3.46	4.90	2.64	5.65	2.38	5.32	5.96	42.95
1831	4.44	3.68	3.07	6.97	3.65	4.32	5.53	5.57	3.83	4.42	3.20	2.93	51.61
1832	4.47	3.74	2.65	5.56	7.27	0.50	3.41	6.14	2.07	2.46	3.57	4.85	46.69
1833	2.96	2.53	2.71	2.30	1.03	3.23	2.01	0.82	2.88	6.00	5.53	5.86	37.86
1834	1.39	1.13	0.96	2.93	6.33	3.09	7.71	2.47	3.71	4.62	2.90	2.36	39.60
1835	3.25	1.37	4.27	4.54	2.07	2.74	9.07	2.89	1.31	1.87	2.08	2.40	37.86
1836	8.84	3.57	2.90	1.58	1.85	4.33	2.12	1.53	0.54	4.04	5.43	4.13	40.86
1837	4.10	4.14	3.02	3.07	5.79	2.98	1.80	1.67	0.56	1.58	2.35	2.46	33.52
1838	3.07	2.77	3.09	2.62	3.32	2.55	1.20	4.26	9.87	5.02	3.95	0.80	42.52
1839	0.98	3.11	1.18	7.73	4.27	2.25	3.32	5.70	2.00	2.50	1.71	6.35	41.10
1840	3.12	2.57	4.55	4.60	2.23	2.78	2.93	4.00	2.12	4.48	11.63	4.15	49.16
1841	6.00	1.60	3.50	8.82	1.90	1.95	2.10	4.20	2.86	3.80	4.55	5.77	47.05
1842	0.80	3.20	3.35	3.50	2.90	5.30	1.82	4.44	3.25	0.80	4.45	5.30	39.11
1843	2.20	6.08	6.17	3.88	1.60	4.61	2.15	6.88	0.98	4.82	3.40	3.92	46.69
1844	3.68	2.42	6.00	0.20	2.72	1.40	2.17	2.62	3.53	5.80	3.15	3.85	37.54
1845	4.58	4.25	3.83	1.23	2.82	2.05	3.28	1.82	2.23	4.00	10.25	5.98	46.32
1846	3.12	2.95	2.73	1.23	2.02	2.25	2.51	1.80	1.30	1.35	4.17	4.52	29.95
1847	3.28	4.70	4.77	2.20	2.03	4.09	2.65	6.45	6.64	1.05	5.12	3.95	46.93
1848	2.30	3.90	4.05	1.40	6.30	1.73	1.35	3.10	3.55	5.10	2.25	5.95	40.98
1849	0.35	1.15	7.35	0.90	3.10	1.45	0.85	6.25	1.25	8.10	5.50	4.05	40.30
1850	4.59	2.52	5.32	4.82	6.63	2.77	2.70	5.30	7.15	2.10	3.32	6.76	53.98
1851	1.30	4.20	3.88	9.37	3.31	1.80	3.09	1.27	3.50	4.43	5.51	2.65	44.31
1852	4.85	2.85	4.45	10.18	1.95	2.35	3.28	7.63	1.65	2.19	3.47	3.09	47.94
1853	2.44	5.30	2.27	3.78	5.63	0.30	3.64	9.40	3.80	3.92	4.43	3.95	48.86
1854	2.91	4.87	2.84	6.63	4.33	2.47	3.70	0.58	3.86	2.08	6.80	4.64	45.71
1855	7.22	4.67	1.18	4.28	1.20	3.09	4.15	1.46	1.13	4.61	5.27	5.93	44.19
1856	5.32	0.80	1.33	4.37	7.10	2.90	4.02	11.11	4.90	2.70	3.33	4.28	52.16
1857	5.36	2.45	3.09	10.83	5.57	2.02	5.53	7.18	2.56	4.50	2.52	5.26	56.87
1858	3.28	2.30	2.18	5.18	3.89	8.09	4.56	7.03	5.02	3.03	3.38	4.73	52.67
1859	5.93	4.05	7.64	3.36	3.63	7.89	1.58	4.72	4.40	3.28	3.75	6.47	56.70
1860	1.89	3.85	2.19	1.73	2.35	8.01	5.90	4.30	7.35	2.66	5.37	5.86	51.46
1861	6.04	3.57	7.48	5.89	2.97	3.64	2.76	6.04	1.77	2.66	4.90	2.35	50.07
1862	8.30	3.29	4.70	1.97	2.70	6.78	7.33	4.20	5.61	4 85	8.32	3.01	61.06
1863	4.51	4.54	6.42	9.08	2.82	2.56	12.38	5.64	3.12	3.83	6.48	6.34	67.72
1864	3.87	1.43	11.75	4.72	3.31	1.47	1.90	4.17	2.60	4.80	4 00	5.28	49.30

RAINFALL AT BOSTON, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1865	4.47	5.08	4.83	2.57	6.90	2.83	4.26	1.42	0.62	6.21	4.46	4.18	47.83
1866	3.73	5.28	4.70	2.03	5.04	3.41	5.42	3.87	5.90	2.72	3.74	4.86	50.70
1867	6.06	6.55	6.12	2.52	4.11	2.74	4.76	10.78	0.44	6.76	2 32	2.48	55.64
1868	6.09	1.88	5.04	6.94	10.38	3.79	1.10	7.53	11.95	1.78	5.31	2.32	64.11
1869	4.03	9.98	8.74	2.05	6.88	4.44	3.30	2.19	5.18	6.71	3.74	9.04	66.28
1870	8.16	7.03	4.88	8.42	2.58	7.59	4.01	1.57	0.67	6.80	4.40	3.62	59.73
1871	2.77	3.72	4.68	4.23	5.69	5.67	2.87	3.31	1.37	5.51	5.38	3.13	48.33
1872	2.43	2.68	3.98	3.24	3.95	4.81	4.48	10.48	7.37	4.98	4.64	5.00	58.04
1873	6.69	3.74	4.54	3.81	4.92	0.65	3.25	6.46	2.78	5.43	7.34	5.33	54.94
1874	4.30	4.02	1.64	8.36	3.72	2.91	2.70	6.48	1.66	1.02	2.58	1.70	41.09
1875	3.24	3.62	5.76	4.46	3.89	7.73	3.84	3.50	3.32	5.06	5.62	0.97	51.01
1876	1.89	5.24	8.25	5.61	3.14	2.16	6.50	1.82	3.62	2.13	9.82	5.01	55.19
1877	4.03	1.20	9.08	3.82	3.58	3.05	2.58	5.68	0.53	8.19	8.36	1.05	51.15
1878	7.30	6.08	5.37	5.88	0.92	2.06	3.63	6.50	2.32	6.10	7.11	5.62	58.89
1879	2.74	3.54	4.31	6.97	1.16	5.62	3.43	6.45	1.86	0.80	3.53	4.64	45.05
1880	3.23	4.73	3 85	3.28	1.86	0.63	7.52	2.87	2.30	3.41	2.07	3.14	38.89
1881	5.59	5.15	6.94	2.36	3.59	7.01	3.51	1.17	2.52	2.86	4.42	4.10	49.22
1882	4.66	6.35	3.57	2.61	5.80	1.74	4.01	1.69	11.47	2.30	1.74	2.48	48.42
1883	4.04	3.55	2.14	2.95	3.94	2.57	2.51	0.34	1.38	6.34	2.07	3.73	35.56
1884	5.71	7.19	6.25	4.88	3.32	4.21	5.33	5.30	0.23	3.34	3.19	4.91	53.86
1885	5.21	2.88	1.21	3.62	4.35	3.38	1.40	7.22	1.60	5.67	5.53	2.00	44.07
1886	7.04	7.38	3.76	2.52	3.96	1.30	2.09	3.98	2.94	3.06	3.73	4.71	46.47
1887	5.93	4.37	5.27	4.35	1.69	2.15	3.92	3.21	1.24	2.84	2.59	3.59	41.15
1888	3 34	2.93	5.76	2.46	6.40	2.71	2.14	7.18	8.86	4.71	8.58	5.40	60.47
1889	6.18	2.00	2.42	3.98	4.93	4.18	8.44	4.46	4.28	4.19	5.83	2.36	53.25
1890	2.54	3.05	6.49	2.79	5.42	2.53	1.75	2.99	6.12	7.92	1.11	3.82	46.53
1891	6.63	5.24	4.03	2.65	2.01	3.21	3.20	3.51	2.99	6.67	2.14	3.78	46.06
1892	6.58	1.41	2.61	0.81	6.17	3.10	1.36	5.65	2.45	2.44	4.66	1.15	38.39
1893	2.70	6.04	2.84	3.31	6.32	2.35	2.08	7.59	1.55	3.51	2.21	5.14	45.64
1894	3.28	2.98	0.99	3.50	4.03	0.83	3.22	3.18	2.24	5.22	3.19	4.34	37.00
1895	3.38	0.54	2.92	4.84	2.68	1.47	3.42	3.28	1.06	8.05	6.50	1.78	39.92
1896	2.03	4.47	4.93	1.14	1.42	2.53	2.07	1.72	7.53	2.98	3.78	1.65	36.25
1897	3.06	2.92	2.64	3.08	3.55	4.20	4.38	4.51	3.29	0.30	6.74	5.14	43.81
1898	4.44	4.66	1.36	6.91	4.03	1.80	6.07	5.68	1.93	7.85	4.97	2.53	52.23
1899	5.46	3.73	6.97	1.41	1.27	2.84	4.02	1.40	6,35	2.61	3.20	1.42	40.68
1900	3.37	7.17	5.09	2.10	5.82	2.11	2.67	2.07	4.49	4.26	5.89	2.09	47.13
1901	1.41	0.89	4.96	5.59	5.96	1.54	7.09	3.04	4 04	3.94	3.21	6.98	48.65
1902	1.54	2.79	5.97	2.18	1.61	2.76	3.53	3.26	2.33	4.94	1.53	5.97	38.41
1903	3.94	3.24	6.43	3.84	0.38	7.32	3.77	2.97	2.62	4.03	1.19	2.21	41.94
1904	5.81	2.67	2.56	9.28	3.11	2.07	1.41	2.41	5.01	2.18	2.02	2.83	41.36
1905	4.90	1.82	2.41	3.00	1.67	4.81	2.03	2.40	4.78	1.32	2.09	3.61	34.84
1906	2.73	3.14	6.37	2.30	5.04	1.74	5 45	0.78	2.92	3.43	3.63	2.90	40.43
1907	4.33	2.31	1.86	3.35	2.73	2.34	0.82	1.25	8.24	2.50	6.21	4.25	40.19
1908	2.82	4.14	3.47	1.62	4.13	2.06	3.64	4.24	0.60	3.70	1.37	2.57	34.36
1909	4.58	4.99	3.79	6.19	3.04	3.98	0.86	3.41	5.67	1.18	4.52	3.60	45.81
1910	4.79	4.17	1.02	3.59	3.56	5.37	2.03	1.47	2.06	1.32	4.38	2.05	35.81
1911	2.65	2.73	2.96	2.59	0.54	4.09	4.97	5.72	4.00	2.53	2.91	2.96	38.65
1912	3.16	2.38	4.42	3.46	4.33	0.28	4.42	2.06	1.69	1.21	2.75	4.88	35.04
1913	2.44	3.23	4.97	5.05	3.23	0.55	2.15	2.79	2.41	6.88	2.41	3.26	39.37
Av.	3.89	3.66	4.19	3.94	3.70	3.15	3.59	4.11	3.53	3.76	4.14	3.80	45.46

RAINFALL AT BOSTON, MASS. Elevation, 100 feet.
(Beacon Hill Reservoir.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	1.84	4.31	6.62	3.10	3.33	2.05	6.77	1.50	3.30	1.96	8.51	3.29	46.58
1877	...	...	...	...	...	...	...	...	...	...	...	...	...
1878	5.52	5.51	4.59	5.77	0.83	2.03	4.34	6.60	2.12	5.19	6.32	4.87	53.69
1879	2.46	2.50	3.64	5.57	1.21	5.66	2.41	5.02	1.99	1.38	2.97	3.60	38.41
1880	2.51	4.08	2.85	2.59	1.58	0.50	6.03	2.96	1.68	2.96	2.30	2.55	32.59
Av.	3.08	4.10	4.42	4.26	1.74	2.56	4.89	4.02	2.27	2.87	5.03	3.58	42.82

RAINFALL AT BOSTON, MASS. Elevation, 25 feet.
(Fort Independence, Boston Harbor.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1851	1.53	4.23	1.80	8.55	3.57	**1.94**	1.60	1.44	1.24	3.95	4.40	1.28	35.53
1852	3.50	1.32	1.26	4.00	1.20	2.71	1.92	5.35	1.60	1.42	2.94	3.00	30.22
1853	2.16	3.48	1.16	2.77	6.31	2.55	4.04	4.70	3.90	2.74	4.52	2.71	41.04
1854	2.50	3.36	2.55	5.40	4.28	2.00	4.44	0.50	3.34	1.47	5.57	3.23	38.64
1855	6.34	3.20	1.16	2.72	1.62	2.18	3.57	1.68	1.52	5.19	2.92	3.68	35.78
1856	5.27	1.28	1.47	3.36	5.13	2.65	4.38	9.16	4.20	**2.50**	**2.75**	**3.57**	45.72
1857	2.29	1.67	2.60	6.40	4.92	1.77	4.65	5.91	1.76	4.22	1.70	4.48	42.37
1858	0.68	1.42	1.43	4.43	2.95	5.60	2.80	5.16	3.44	1.75	3.37	4.64	37.67
1859	4.99	3.18	5.39	2.51	3.41	7.79	1.02	3.76	3.73	2.45	2.45	5.97	46.65
1865	**3.78**	**4.45**	**4.35**	**2.43**	**6.12**	**2.67**	**2.92**	**2.12**	**0.66**	**5.31**	3.35	1.67	39.83
1866	0.82	3.26	2.85	**2.14**	3.55	**2.82**	**5.49**	**3.21**	3.56	1.43	3.61	3.52	36.26
1867	1.10	4.60	4.20	2.45	3.60	1.70	4.11	9.80	0.53	4.50	1.65	1.45	39.69
1868	2.30	0.90	1.70	5.10	9.00	2.37	2.15	6.25	8.10	1.45	4.40	1.85	45.57
1869	2.55	7.10	4.50	1.40	5.75	3.00	2.90	2.00	3.01	5.85	2.40	4.20	44.66
1870	6.25	4.50	3.25	6.65	1.88	6.36	2.46	1.15	0.54	4.28	2.84	1.78	41.94
1871	1.32	2.55	2.78	2.50	3.30	4.73	2.18	3.78	1.04	6.04	1.98	3.67	35.87
1872	1.76	1.30	7.68	1.75	3.95	3.95	6.49	6.40	5.85	4.80	4.51	3.95	52.39
1873	5.29	2.70	3.30	2.15	2.74	1.55	3.95	5.17	2.01	2.18	6.02	4.55	41.61
1874	2.94	2.08	3.09	6.85	3.45	1.80	2.36	5.82	1.72	0.67	8.45	5.15	44.38
1875	6.40	2.25	9.75	7.20	10.80	8.35	11.50	7.85	2.45	2.15	3.35	**1.04**	73.09
1876	1.40	4.45	6.50	**4.48**	2.00	**1.73**	5.50	1.63	3.25	1.60	9.90	2.80	45.24
1877	4.03	1.00	8.15	3.20	2.95	1.55	1.21	4.64	0.20	5.60	6.70	0.70	39.93
1878	6.90	4.30	4.20	5.80	**0.58**	**2.61**	4.70	**9.16**	4.30	4.40	**6.16**	4.60	57.71
1879	**2.12**	3.10	4.58	3.56	1.37	**4.90**	3.25	5.75	4.50	2.05	**3.03**	**3.53**	41.74
Av.	3.26	2.99	3.74	4.08	3.93	3.30	3.73	4.68	2.77	3.25	4.12	3.21	43.06

RAINFALL AT BOSTON, MASS. Elevation, 25 feet.
(Fort Warren, Boston Harbor.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	0.82	1.07	2.75	2.05	1.75	3.60	1.82	3.45	0.70	5.29	2.49	3.52	29.31
1872	1.65	1.57	2.80	1.25	7.00	3.30	3.70	8.20	4.00	5.70	2.55	13.91	55.63
1873	7.25	14.00	11.20	8.15	7.00	1.75	3.30	5.44	1.27	3.69	1.90	1.35	66.30
1874	2.80	3.20	1.98	9.85	3.30	3.93	2.50	9.00	1.30	1.10	1.80	**3.42**	44.18
1875	2.30	3.12	4.60	5.10	3.80	**8.04**	2.75	4.20	**2.88**	2.50	3.25	1.20	43.74
1876	1.11	2.76	4.50	1.88	1.92	1.98	4.72	1.08	2.36	0.88	9.38	3.20	35.77
1877	2.70	0.80	10.40	2.32	**3.26**	2.50	3.14	3.56	0.38	4.52	3.52	0.28	37.38
1878	3.12	2.38	1.68	4.14	0.72	1.04	2.46	2.70	**3.31**	4.04	3.02	3.10	31.71
1879	1.02	2.44	1.94	2.88	0.56	3.63	3.25	5.74	0.52	0.60	2.50	2.04	27.12
1880	3.16	1.94	1.05	1.56	1.50	0.81	3.93	3.40	0.94	1.44	1.72	1.66	23.11
Av.	2.59	3.33	4.29	3.92	3.08	3.06	3.16	4.68	1.76	2.98	3.21	3.37	39.43

RAINFALL AT BOSTON, MASS. Elevation, 25 feet.
(Thompson's Island, Boston Harbor.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	2.88	2.19	2.33	1.66	4.69	2.15	4.95	1.28	2.56	3.21	2.43	3.49	33.82
1907	2.28	1.72	0.94	2.79	2.88	1.92	0.88	0.74	6.90	2.29	4.77	4.53	32.64
1908	0.90	2.49	2.25	1.09	2.47	1.68	3.01	2.93	0.49	2.55	0.76	1.44	22.06
1909	3.08	2.49	1.79	2.89	1.71	2.60	0.73	2.35	3.40	0.97	3.09	2.26	27.36
1910	3 91	3.07	1.23	1.46	0.79	3.13	2.03	1.28	1.33	1.13	2.28	0.98	22.62
1911	1.55	3.47	2.25	1.96	0.34	3.81	3.76	4.72	2.81	3.05	3.35	2.69	33.76
1912	3.20	1.33	2.25	3.93	3.50	0.29	5.32	2.41	1.34	1.03	2.33	3.98	30.91
1913	1.55	1.94	2.59	5.29	2.96	0.93	1.70	2.55	2.82	6.43	2.32	2.21	33.29
Av.	2.42	2.34	1.95	2.63	2.42	2.06	2.80	2.28	2.71	2.58	2.67	2.70	29.56

RAINFALL AT BOSTON, MASS. Elevation, 60 feet.
(Charlestown.)
(Joseph Barrell, Esq.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1792	0.55	1.50	5.21	3.14	2.44	2.17	1.83	1.69	3.48	2.02	6.32	0.13	30.48
1793	3.59	3.39	5.91	1.79	2.84	2.02	1.21	1.09	2.86	2.27	4.25	1.12	32.34
1794	5.67	1.42	4.07	0.83	0.83	2.54	2.13	4.04	1.78	4.18	1.36	2.26	31.11
1795	2.68	1.05	2.91	7.11	3.61	2.09	5.36	6.08	5.26	4.09	2.20	3.20	45.64
1796	2.39	2.21	2.53	0.72	3.92	1.22	2.28	1.46	4.80	2.00	1.02	1.22	25.77
1797	2.67	4.33	5.24	3.81	3.40	2.09	2.96	5.09	1.30	5.14	3.05	2.10	41.18
1798	1.53	2.70	3.48	2.98	5.61	3.83	3.81	0.86	1.91	7.71	1.88	2.01	38.31
1799	1.93	1.17	2.57	2.80	4.65	4.36	2.53	2.84	2.46	3.24	1.55	3.39	33.49
1800	0.90	3.13	1.68	7.46	6.10	1.04	1.77	6.94	4.62	4.43	3.62	3.74	45.43
1801	4.06	3.12	6.53	3.45	2.44	2.73	5.16	3.83	1.72	0.46	4.57	2.53	40.60
1802	2.67	0.45	4.82	1.07	6.30	1.81	2.65	3.79	3.05	3.22	1.66	3.31	34.80
Av.	2.60	2.23	4.09	3.20	3.83	2.36	2.88	3.43	3.02	3.52	2.86	2.27	36.29

RAINFALL AT BROCKTON, MASS. Elevation, 200 feet.
(City Hall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.78	2.88	1.34	2.45	3.32	0.68	2.08	1.26	2.85	6.18	4.37	5.24	35.43
1895	3.46	0.70	3.17	4.77	2.51	2.33	4.54	3.81	4.53	5.37	7.54	2.59	45.32
1896	1.69	3.68	5.68	1.19	1.79	3.53	1.57	2.14	6.26	2.82	4.09	2.08	36.52
1897	3.18	2.08	2.33	3.07	4.41	4.55	4.57	3.89	1.96	0.60	6.19	3.65	40.48
1898	3.30	4.85	2.09	6.15	4.06	1.35	5.98	6.77	1.99	7.77	6.23	1.94	52.48
1899	4.86	3.26	5.59	1.14	1.72	2.88	4.52	1.40	9.56	2.17	2.06	1.15	40.31
1900	3.91	5.12	3.73	1.70	5.54	5.79	2.75	1.54	4.55	3.48	4.28	2.11	44.50
1901	1.64	0.73	7.05	5.75	6.49	1.64	5.04	2.22	4.30	3.29	2.05	7.65	47.85
1902	1.89	3.13	5.59	2.48	1.17	4.35	2.12	2.92	3.93	3.61	1.00	4.87	37.06
1903	3.76	4.35	7.06	3.97	0.75	4.75	2.42	3.38	0.91	3.91	1.87	3.16	40.29
1904	4.52	3.55	2.29	8.00	2.85	2.43	2.81	2.69	5.35	1.76	1.57	3.01	40.83
1905	3.14	1.48	2.05	3.14	0.97	4.40	1.64	2.49	5.28	1.74	2.05	3.64	32.02
1906	2.72	2.87	5.16	1.36	4.60	1.80	6.36	2.88	3.67	4.93	1.82	2.82	40.99
1907	3.29	2.47	1.79	3.73	3.54	2.18	1.48	1.52	8.50	3.23	5.73	4.58	42.04
1908	2.32	3.22	3.50	1.85	3.35	1.30	4.16	3.58	1.35	5.30	1.07	2.98	33.98
1909	4.62	4.34	2.89	5.37	2.68	2.99	1.51	2.52	4.43	1.41	3.44	1.77	37.97
1910	4.33	3.64	1.79	2.51	2.30	4.20	1.89	1.97	1.41	1.71	4.24	2.32	32.31
1911	2.58	2.65	2.94	2.50	1.85	2.93	4.51	5.49	2.90	2.59	6.41	3.14	40.49
1912	3.77	2.25	4.96	4.07	3.78	1.10	3.04	2.40	1.41	1.42	3.31	6.13	37.64
1913	3.01	3.15	4.86	5.49	2.29	1.54	3.02	2.61	3.27	7.01	2.42	3.17	41.84
Av.	3.24	3.02	3.79	3.53	3.00	2.84	3.30	2.87	3.92	3.52	3.59	3.40	40.02

RAINFALL AT BROCKTON, MASS. Elevation, 100 feet.

(Filter Beds.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.67	3.00	1.38	3.29	3.82	1.25	2.56	0.98	2.93	6.52	4.12	5.12	37.64
1895	3.97	1.05	3.14	5.40	2.66	1.65	5.02	3.08	3.97	6.04	7.56	2.95	46.49
1896	2.14	3.80	4.68	0.97	2.21	3.49	1.53	2.03	7.25	2.77	3.92	2.00	36.79
1897	2.43	1.80	2.33	2.92	4.10	4.88	4.43	4.24	1.75	0.51	6.18	3.76	39.33
1898	3.08	4.65	1.97	5.36	3.89	1.46	6.52	6.73	1.79	8.00	5.65	2.07	51.17
1899	4.87	3.22	6.39	1.23	1.54	3.02	4.39	1.29	10.09	2.51	1.44	1.52	41.51
1900	3.95	6.16	4.49	1.59	4.96	5.04	2.70	2.22	4.37	3.19	4.64	2.60	45.91
1901	1.99	0.87	7.48	6.67	6.59	1.53	4.93	2.03	4.44	3.59	2.56	7.93	50.61
1902	1.81	2.85	5.97	2.55	0.82	3.29	2.12	1.78	2.65	3.39	1.38	4.50	33.11
1903	4.01	4.12	7.09	3.45	0.49	4.34	3.08	3.03	1.07	3.70	1.28	2.77	38.43
1904	3.47	3.20	2.26	6.98	3.12	2.46	1.95	3.07	5.02	2.05	1.61	2.28	37.47
1905	2.60	1.32	2.02	3.10	0.96	3.93	2.18	2.50	5.13	1.83	1.99	4.28	31.84
1906	2.71	2.33	4.55	1.78	4.74	1.59	5.36	3.08	4.31	4.84	1.95	3.25	40.49
1907	2.14	2.06	1.59	3.32	3.02	1.79	1.67	1.04	8.12	3.17	4.61	4.65	37.18
1908	2.27	3.47	2.96	1.52	3.19	0.99	3.80	3.06	1.28	4.39	0.47	2.93	30.33
1909	3.55	4.96	3.33	5.26	1.91	2.22	0.96	2.29	5.27	1.27	3.27	1.77	36.06
1910	4.30	3.70	2.38	2.87	2.52	5.20	2.19	1.97	1.35	2.47	4.76	2.56	36.27
Av.	3.06	3.09	3.77	3.43	2.97	2.83	3.26	2.61	4.16	3.54	3.38	3.35	39.45

RAINFALL AT BROCKTON, MASS. Elevation, 100 feet.

(Sewage Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.73	2.94	1.31	2.92	3.57	0.41	1.91	1.12	3.36	6.97	3.94	4.79	35.97
1895	3.90	0.84	2.95	5.36	2.49	2.70	4.55	3.75	4.62	6.55	8.09	3.07	48.87
1896	1.84	4.47	5.68	1.04	2.28	3.60	1.45	2.28	8.09	3.75	4.47	2.06	41.01
1897	2.81	2.17	2.52	3.28	4.12	5.03	2.84	4.69	1.85	0.61	6.83	3.82	40.57
1898	3.18	6.01	2.09	5.01	3.77	1.91	6.91	6.62	2.30	7.92	5.75	2.38	53.85
1899	4.90	3.28	6.42	1.41	1.58	2.78	4.03	1.22	9.92	2.70	1.49	1.50	41.23
1900	4.11	6.43	4.58	1.59	5.61	4.62	3.02	1.18	4.80	3.44	4.90	2.38	46.66
1901	1.97	0.84	7.63	7.90	6.69	1.41	4.82	1.84	4.57	3.89	3.08	8.62	53.26
1902	2.06	5.03	7.13	3.02	0.78	4.42	2.60	3.18	3.40	4.27	1.51	4.94	42.34
1903	4.46	4.72	8.36	3.76	1.07	5.56	2.50	3.65	0.99	5.20	1.54	3.08	44.89
1904	2.88	2.87	2.73	8.77	3.25	2.73	2.88	2.93	5.99	2.33	2.03	2.97	42.36
Av.	3.17	3.60	4.67	4.01	3.20	3.20	3.41	2.95	4.53	4.33	3.97	3.60	44.64

RAINFALL AT CAMBRIDGE, MASS. Elevation, 75 feet.

(City Hall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	3.78	7.52	4.51	1.69	4.65	2.18	2.25	2.88	4.09	3.20	4.86	2.23	43.84
1901	1.63	0.88	6.49	7.72	6.77	1.28	4.70	3.87	3.55	2.65	2.88	7.29	49.71
1902	2.00	6.59	4.95	3.24	1.04	2.22	3.48	2.81	2.46	4.34	0.93	6.69	40.75
1903	3.91	4.09	5.32	3.57	0.20	6.33	2.97	3.09	2.43	3.12	1.26	3.14	39.43
1904	5.61	3.28	2.43	10.07	3.96	2.67	1.88	2.49	6.46	1.87	2.05	3.25	46.02
1905	5.43	1.59	3.21	3.05	1.88	4.80	0.93	3.59	7.27	1.86	2.36	3.38	39.35
1906	2.72	3.60	7.52	2.28	5.11	2.82	5.03	1.88	2.43	3.43	3.11	4.81	44.74

RAINFALL AT CAMBRIDGE, MASS. — *Continued.*

(City Hall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1907	2.91	2.86	2.66	3.46	3.38	3.64	1.71	1.77	8.70	3.16	6.70	4.83	45.78
1908	3.25	4.42	3.69	2.33	4.41	1.28	3.81	4.62	0.97	3.72	0.96	2.63	36.09
1909	4.35	5.40	3.65	4.27	2.04	4.21	1.33	3.67	5.33	1.28	4.01	3.22	42.76
1910	5.27	4.85	1.49	2.62	1.20	4.73	1.26	0.77	2.28	0.98	4.01	2.07	31.53
1911	2.70	2.85	3.15	2.28	0.31	3.81	4.12	4.60	3.45	2.54	4.49	3.65	37.95
1912	2.89	2.32	4.78	3.53	4.08	0.28	6.96	2.38	1.76	1.40	3.20	5.60	39.18
1913	2.73	3.56	5.21	5.17	3.40	0.95	2.77	3.18	2.88	6.71	2.35	3.22	42.13
Av.	3.51	3.85	4.22	3.95	3.03	2.94	3.09	2.97	3.86	2.88	3.08	4.00	41.38

RAINFALL AT CAMBRIDGE, MASS. Elevation, 40 feet.

(Fresh Pond.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1883	...	...	...	...	...	...	...	...	...	...	...	...	30.82
1884	...	...	...	...	...	...	...	...	...	...	...	...	47.73
1885	...	...	...	...	...	...	...	...	...	...	...	...	46.20
1886	6.41	7.35	3.49	2.43	3.92	1.48	3.54	3.20	4.64	3.62	4.22	5.23	49.53
1887	5.28	4.66	4.46	3.94	1.79	1.86	4.19	4.10	1.36	3.22	3.90	4.22	42.98
1888	3.32	3.95	5.55	2.60	6.36	3.25	2.87	7.08	8.28	4.83	7.70	6.67	62.46
1889	6.64	2.81	3.29	3.73	5.65	3.44	8.53	3.78	5.30	3.73	6.51	3.36	56.77
1890	2.94	5.22	7.02	4.83	6.09	3.51	2.77	3.48	4.05	9.31	1.28	4.40	54.90
1891	6.68	4.61	5.74	2.72	2.44	4.01	3.06	3.68	2.73	5.10	3.08	6.78	50.63
1892	4.32	2.46	3.56	0.77	6.06	4.23	2.53	6.11	1.84	2.15	4.04	1.23	39.30
1893	1.87	6.43	2.50	3.25	7.30	2.18	2.26	5.95	1.76	3.77	1.99	5.23	44.49
1894	3.05	2.91	0.84	2.94	4.63	0.81	2.88	1.63	2.40	5.19	3.34	4.43	35.05
1895	3.57	1.07	2.68	4.15	2.39	2.76	3.28	4.71	1.83	10.16	6.09	1.90	44.59
1896	2.46	5.62	4.37	1.70	2.42	2.33	2.65	2.45	6.29	3.10	3.53	1.63	38.55
1897	3.32	2.36	2.66	2.82	4.24	5.16	4.68	5.06	3.22	0.55	6.83	4.31	45.21
1898	4.75	3.61	2.03	6.22	3.92	1.82	4.50	7.34	1.78	7.22	4.92	2.00	50.11
1899	3.85	3.99	5.94	1.32	0.77	3.17	3.12	3.21	4.63	3.08	2.20	1.30	36.58
1900	4.40	7.34	5.10	1.99	5.52	2.75	2.31	2.80	4.40	3.75	5.23	1.74	47.33
1901	1.55	0.79	6.89	8.80	6.96	1.33	4.70	4.17	3.74	2.86	2.67	7.71	52.17
1902	1.97	4.29	6.16	3.56	1.08	2.40	3.14	3.62	3.36	4.65	1.37	4.37	39.97
1903	3.19	3.50	4.89	3.98	0.35	8.46	3.72	3.81	1.72	4.54	1.70	2.87	42.73
1904	5.00	3.00	2.35	8.57	3.58	2.74	1.70	2.53	5.87	1.85	2.83	1.92	41.94
1905	3.47	1.09	2.52	2.87	1.30	4.41	1.86	3.06	5.97	1.30	2.91	3.63	34.39
1906	2.46	2.73	5.67	2.02	5.73	3.81	3.26	1.43	2.31	2.86	2.80	4.10	39.18
1907	2.46	1.59	1.91	2.64	2.86	2.66	1.20	0.69	7.92	2.57	5.95	3.87	36.32
1908	3.28	3.39	2.97	1.54	3.03	0.70	3.21	3.40	0.64	3.16	0.58	2.27	28.17
1909	3.92	4.81	3.41	3.41	1.53	3.45	1.45	3.03	5.11	0.88	3.15	3.11	37.26
1910	4.53	4.44	0.88	2.46	1.31	4.44	1.87	0.84	2.51	1.08	3.72	2.09	30.17
1911	2.64	2.82	3.08	2.27	0.44	3.66	4.86	4.01	3.12	1.14	3.32	3.43	34.79
1912	2.72	2.24	4.39	1.98	3.13	0.19	7.34	1.57	1.71	1.32	2.01	3.65	32.25
1913	2.16	2.28	3.24	4.31	3.50	0.97	2.63	3.09	2.26	6.84	2.40	2.86	36.54
Av.	3.65	3.62	3.84	3.35	3.51	2.93	3.36	3.57	3.60	3.71	3.58	3.58	42.30

RAINFALL AT CAMBRIDGE, MASS. Elevation, 40 feet.

(Prof. John Winthrop.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1749	...	...	...	...	...	...	...	2.38	2.52	7.42	0.57	4.27	....
1750	2.36	0.71	3.93	4.03	3.65	3.08	4.24	9.46	2.14	2.72	2.08	3.83	42.23
1751	4.14	6.94	2.57	3.22	2.49	6.73	5.20	9.48	4.14	3.16	3.08	1.93	53.08
1752	2.08	2.14	5.73	2.27	1.26	5.34	4.93	1.33	0.87	7.12	1.88	3.07	38.02
1753	3.81	3.74	3.78	2.14	3.65	7.76	3.47	3.85	2.71	8.82	5.12	3.18	52.03
1754	4.34	3.22	3.22	1.30	3.91	7.16	7.14	2.69	0.35	3.48	5.72	3.95	46.48
1755	3.72	3.67	4.32	3.33	2.51	2.22	4.77	1.33	2.30	4.16	4.71	1.47	38.51
1756	3.64	0.81	2.19	3.62	2.51	4.95	2.75	2.64	1.31	5.01	4.34	1.69	35.46
1757	4.77	5.24	5.01	3.51	0.89	1.01	4.30	4.18	1.65	3.64	2.98	4.15	41.33
1758	7.19	3.04	2.13	1.54	3.08	5.64	9.83	7.58	1.21	4.14	4.17	4.18	53.73
1759	2.49	4.07	2.77	2.29	2.36	5.08	5.42	7.80	4.23	4.96	4.89	2.55	48.91
1760	2.50	1.67	1.54	1.24	4.01	4.25	0.85	5.10	6.33	2.82	2.79	5.89	38.99
1761	0.75	2.33	0.90	1.90	4.38	0.90	1.54	2.49	4.07	3.93	3.13	6.51	32.83
1762	4.13	0.94	1.50	1.47	2.13	0.89	1.76	2.74	0.89	6.01	0.66	1.35	24.47
1763	1.92	3.35	2.69	2.62	4.34	3.06	6.40	2.41	1.86	3.45	4.78	3.60	40.48
1764	0.05	3.37	1.41	4.49	1.90	1.75	6.05	2.17	4.39	3.10	3.57	4.58	36.83
1765	1.92	0.60	2.89	4.21	2.67	2.57	2.74	3.78	1.42	3.08	3.86	3.11	32.85
1766	1.75	0.94	4.03	3.74	3.19	2.40	5.85	4.37	2.77	5.32	1.64	1.73	37.73
1767	3.34	1.01	5.49	2.71	2.92	1.59	6.18	1.64	5.73	2.35	5.16	4.30	42.42
1768	2.79	2.07	1.48	1.23	2.54	3.32	4.27	3.81	5.66	3.04	2.18	4.36	36.75
1769	1.99	2.15	3.56	1.90	3.08	0.75	4.21	1.03	4.33	1.83	5.92	1.07	31.82
1770	4.25	3.15	1.06	1.64	4.03	3.52	1.39	8.85	3.71	5.31	3.17	1.19	41.27
1771	2.56	6.97	6.30	4.17	4.07	3.91	3.03	1.77	2.19	2.48	5.67	2.19	45.31
1772	1.75	4.38	2.06	4.92	2.28	1.81	3.96	6.86	7.65	6.63	3.56	3.12	48.98
1773	2.79	1.22	2.79	2.31	2.26	1.91	2.73	2.55	2.94	4.01	1.96	5.14	32.61
1774	2.46	1.89	2.63	2.81	3.88	3.28	2.16	3.92	3.17	2.46	6.29	2.47	37.42
1775	0.86	1.06	0.99	...	...	...	...	...	*2.67	*4.98	...	...	....
1776	...	...	...	...	...	...	...	...	...	...	†2.11	†3.22	....
1777‡	1.52	1.39	2.03	2.52	3.74	3.86	3.42	3.75	3.77	4.54	3.43	1.50	35.47
1778†	3.12	3.05	2.91	1.85	2.97	4.78	1.53	6.01	2.38	2.15	3.98	2.38	37.11
1779	2.33	3.29	2.37	2.53	...	...	...	...	...	...	...	...	....
Av.	2.92	2.79	3.04	2.74	2.96	3.40	4.21	4.15	3.12	4.12	3.73	3.24	40.42

* At Watertown. † At Concord. ‡ Not in average.

RAINFALL AT CAMBRIDGE, MASS. Elevation, 75 feet.

(Harvard College Observatory.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1841	4.90	1.81	3.14	4.71	1.98	0.66	3.02	6.15	3.27	3.72	2.76	5.14	41.26
1842	0.78	3.18	2.76	3.36	2.53	5.84	1.42	5.60	3.34	1.26	4.14	6.64	40.85
1843	2.26	6.56	5.83	4.13	2.17	5.38	2.47	8.75	1.52	5.81	4.26	3.34	52.48
1844	4.48	2.03	5.84	0.34	3.08	1.77	2.90	3.35	4.50	3.27	4.50	1.22	37.28
1845	3.93	3.78	3.67	1.48	2.63	3.15	4.07	2.53	2.58	4.22	10.43	6.71	49.18
1846	2.60	1.50	1.56	1.50	3.59	2.68	3.19	2.38	2.01	1.63	2.55	5.19	30.38
1847	3.67	3.34	3.88	2.83	1.94	5.49	2.53	5.40	6.54	1.44	4.94	4.37	46.37
1848	2.89	4.00	2.50	1.24	7.71	2.81	2.58	3.50	5.18	6.31	1.16	3.23	43.11
1849	0.72	1.46	6.90	1.18	2.76	1.37	0.97	6.52	2.13	7.56	5.43	3.78	40.78
1850	3.86	2.51	3.28	4.79	7.22	2.97	2.62	7.64	9.82	2.51	3.59	3.34	54.15
1851	1.06	4.22	2.01	9.10	4.14	1.62	3.21	1.21	3.98	4.67	4.96	2.00	42.18
1852	2.22	0.62	2.10	7.94	2.30	4.03	1.86	7.50	2.01	2.92	3.83	3.17	40.50
1853	3.88	5.70	3.31	3.70	6.45	0.55	3.02	8.59	5.95	3.49	4.91	4.29	53.84
1854	1.86	3.97	2.95	4.84	5.45	3.58	3.24	0.35	4.36	2.11	7.98	4.47	45.16
1855	7.26	3.74	1.16	3.99	1.51	3.58	4.84	2.27	1.22	5.51	5.33	7.19	47.60
1856	5.30	0.57	0.97	3.44	6.73	2.87	4.24	14.98	4.66	3.24	2.89	3.90	53.79
1857	7.87	3.72	3.50	8.95	5.17	1.71	6.33	6.67	2.94	3.69	2.56	4.83	57.94
1858	3.44	1.86	1.77	3.81	3.71	7.55	4.36	5.57	5.11	2.87	2.38	3.04	45.47
1859	8.23	6.48	8.44	2.36	2.98	6.81	1.50	5.39	5.37	3.12	3.68	4.99	59.35
1860	1.00	2.21	1.73	1.32	2.26	7.41	5.19	5.24	9.33	1.86	4.12	4.75	46.42
1861	8.93	2.79	6.56	6.02	3.19	2.56	3.59	5.57	1.77	2.68	3.31	3.31	50.28
1862	7.70	2.79	6.21	1.73	2.32	6.29	5.05	6.29	4.66	5.24	6.73	2.20	57.21
1863	4.43	1.63	2.46	7.39	1.67	2.47	12.43	5.57	2.98	3.40	6.53	5.46	56.42
1864	3.34	0.89	5.59	7.81	2.91	0.78	1.20	2.55	1.68	4.60	3.52	4.59	39.46
1865	4.87	4.31	4.25	2.88	6.24	2.20	3.67	1.76	1.00	5.71	3.68	3.02	43.59
1866	1.20	4.78	3.60	1.60	3.91	2.74	3.32	1.73	5.71	0.96	2.38	0.58	32.51
1867	4.36	4.10	4.22	2.08	2.96	1.75	5.45	7.95	0.50	5.02	1.84	1.48	41.71
1868	2.53	0.95	1.85	4.73	7.32	2.50	0.78	4.93	7.07	1.18	4.31	1.74	39.89
1869	3.43	5.80	5.33	2.03	4.94	3.64	2.65	1.55	5.92	5.18	2.43	5.08	47.98
1870	5.69	4.22	4.66	6.13	1.97	3.83	1.20	2.03	1.81	3.76	3.52	2.71	41.53
1871	1.45	2.63	3.70	3.03	3.60	5.35	2.96	3.10	1.08	5.70	4.78	3.18	40.56
1872	1.93	2.30	3.09	2.68	3.51	4.64	5.17	10.97	6.67	3.66	4.18	3.93	52.73
1873	5.97	4.04	3.36	3.08	4.09	0.50	3.67	5.07	3.22	4.28	4.89	4.64	46.81
1874	3.28	4.42	1.49	6.39	3.50	3.87	2.54	6.82	1.52	1.07	2.33	1.50	38.73
1875	3.22	3.54	8.10	4.73	3.08	6.60	2.88	5.66	3.46	3.83	4.86	1.04	51.00
1876	1.82	4.74	6.53	4.65	3.07	1.92	6.08	1.38	3.77	1.82	6.78	5.09	47.65
1877	3.87	0.89	7.46	3.66	3.58	2.26	2.66	4.58	0.51	6.77	7.60	0.84	44.68
1878	5.84	6.59	4.17	5.15	0.87	2.68	4.82	6.21	2.24	5.06	6.52	4.39	54.54
1879	2.20	3.43	4.02	5.65	1.28	4.50	2.64	5.79	1.71	0.76	3.18	2.75	38.00
1880	3.79	4.20	3.28	2.00	1.51	0.80	6.75	3.49	1.71	2.78	2.10	2.81	35.22
1881	7.43	4.21	7.48	1.74	3.31	5.71	3.68	1.35	2.89	1.98	4.61	3.14	47.53
1882	4.15	6.40	2.75	2.26	4.95	1.97	2.35	1.61	8.28	2.01	1.68	2.16	40.57
1883	2.86	3.84	2.05	2.40	3.63	2.73	2.63	0.43	0.98	5.57	1.95	3.58	32.65
1884	5.20	6.39	4.89	4.36	3.08	3.83	4.06	4.68	0.66	2.54	2.85	4.88	47.42
1885	4.85	3.26	1.32	3.56	3.66	4.13	1.50	5.02	1.80	5.68	6.12	1.91	42.81
1886	7.36	7.82	3.53	2.07	3.21	1.44	3.23	2.81	3.45	2.72	3.91	5.05	46.60
1887	7.09	4.96	5.66	5.46	1.69	1.90	4.16	3.73	1.12	3.36	2.87	3.71	45.71
1888	3.55	3.27	5.26	2.56	4.63	2.51	2.54	7.15	7.84	4.68	7.46	4.78	56.23
1889	6.03	1.44	1.05	2.54	5.33	2.53	6.42	3.27	4.30	3.65	4.97	2.22	43.75
1890	1.97	2.85	6.53	2.03	5.06	2.80	1.42	2.85	3.70	8.09	1.15	5.15	43.60

RAINFALL AT CAMBRIDGE, MASS. — *Continued.*

(Harvard College Observatory.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	6.09	4.56	4.90	2.44	2.10	3.57	2.93	3.21	2.63	4.82	2.22	3.29	42.76
1892	4.30	1.70	2.90	0.80	5.35	3.72	1.24	6.65	2.18	1.76	4.68	1.23	36.51
1893	2.03	7.28	3.71	2.66	5.06	1.62	2.05	5.20	1.35	3.46	1.79	4.79	41.00
1894	3.33	3.59	0.37	2.67	2.27	0.38	2.56	1.83	2.42	5.23	3.49	4.32	32.46
1895	3.85	1.23	2.66	3.58	1.98	2.73	3.35	3.90	2.14	7.10	8.84	2.19	43.55
1896	3.06	4.35	6.27	1.66	2.04	2.15	2.87	2.13	6.18	3.11	3.34	1.57	38.73
1897	4.01	2.53	2.92	2.70	3.78	5.98	4.06	4.47	3.00	0.40	6.45	1.31	41.61
1898	4.07	5.35	2.03	5.26	3.73	1.66	4.25	7.29	1.72	6.71	6.63	2.53	51.23
1899	4.96	5.41	6.67	1.37	1.46	2.90	2.49	2.59	4.31	1.55	3.56	1.51	38.78
1900	4.71	8.18	4.86	1.90	4.93	2.47	2.24	2.76	4.54	3.71	5.24	2.53	48.07
1901	1.73	1.16	6.74	8.26	7.41	1.09	4.06	3.95	3.78	2.87	2.80	8.24	52.09
1902	2.36	4.76	6.40	3.57	1.26	2.08	3.09	2.86	3.00	4.47	1.19	5.99	41.03
1903	3.54	3.65	6.09	4.07	0.38	7.40	3.11	3.56	1.67	4.05	1.52	3.25	42.29
1904	5.15	2.76	2.85	9.28	3.77	2.64	1.68	2.37	5.84	2.00	1.80	2.64	42.78
1905	6.13	1.90	2.86	2.63	1.53	4.30	1.07	3.04	5.99	1.23	2.24	3.65	36.57
1906	2.82	3.05	7.32	2.32	4.67	1.68	5.37	1.66	2.44	3.09	3.47	2.80	40.69
1907	4.82	1.77	1.76	3.55	3.15	3.15	1.29	1.12	8.54	2.88	6.94	2.79	41.76
1908	3.55	4.23	2.81	1.31	4.00	1.25	3.34	4.01	0.83	3.20	0.81	2.70	32.04
1909	4.62	5.22	2.90	3.90	2.01	3.82	1.62	3.19	5.54	1.12	1.99	4.47	40.40
1910	4.59	3.02	1.38	2.54	1.07	4.98	1.73	0.78	2.55	0.97	3.56	2.96	30.13
1911	1.82	1.44	3.10	3.17	0.26	3.68	4.82	3.52	3.86	2.58	4.49	3.11	35.85
1912	2.92	2.49	5.69	2.80	3.29	0.88	6.64	1.74	1.08	1.41	2.74	4.87	36.55
1913	2.60	2.76	5.09	4.10	3.34	1.03	2.59	1.45	3.26	6.73	2.16	4.42	39.53
Av.	3.97	3.55	3.97	3.62	3.41	3.13	3.34	4.23	3.54	3.55	3.99	3.56	43.86

RAINFALL AT CHESTNUT HILL RESERVOIR. Elevation, 124 feet.

(Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1873	5.67	2.68	2.25	2.97	4.41	0.26	3.58	6.76	2.33	5.45	6.23	4.77	47.36
1874	2.14	1.50	1.62	7.42	3.99	3.21	2.72	7.07	1.71	1.03	2.24	1.86	36.51
1875	3.52	3.46	4.54	3.69	3.92	7.10	3.17	6.35	3.37	4.11	5.22	0.72	49.17
1876	1.73	4.60	7.27	4.02	2.80	1.78	6.84	1.76	4.22	1.83	8.29	3.31	48.45
1877	3.39	0.83	8.78	3.37	3.39	2.41	2.23	5.56	0.49	8.06	8.28	0.99	47.78
1878	5.97	6.96	4.93	5.95	0.79	2.26	3.34	5.03	2.53	5.29	7.29	4.76	55.10
1879	2.10	3.02	3.56	6.02	0.85	4.77	3.03	7.15	1.88	0.77	2.71	3.93	39.79
1880	2.95	3.12	2.82	2.41	1.71	0.72	6.14	2.52	1.75	3.08	2.23	2.05	31.50
1881	5.13	4.46	5.77	1.71	2.74	6.13	2.99	0.77	3.25	2.78	3.50	3.42	42.65
1882	4.12	4.15	2.80	2.40	5.34	1.41	2.89	1.28	9.18	1.87	1.17	1.88	38.49
1883	3.12	3.32	1.70	2.26	4.25	2.56	2.41	0.28	1.31	5.33	2.01	3.24	31.79
1884	4.84	6.38	4.23	4.46	2.89	4.73	5.47	4.78	0.42	3.41	3.02	4.92	49.55
1885	5.33	3.22	1.25	3.46	4.02	4.14	1.60	6.03	1.75	5.87	6.42	2.34	45.43
1886	7.17	7.89	3.55	2.71	3.41	1.38	2.59	3.52	3.03	3.21	4.03	5.82	48.31
1887	5.57	4.44	5.20	4.74	1.69	2.08	3.69	3.53	1.35	3.21	2.75	3.66	41.91
1888	3.88	3.34	5.53	2.44	5.90	2.58	2.16	6.92	9.42	4.54	8.17	5.36	60.24
1889	6.50	1.93	2.37	3.82	4.78	3.31	9.53	4.51	5.30	3.85	6.23	2.66	54.79
1890	2.52	3.12	7.64	2.93	5.80	2.60	2.43	3.37	4.89	8.79	1.37	4.76	50.22
1891	6.93	5.34	5.63	2.98	2.05	4.04	3.44	4.04	3.05	5.70	2.70	3.73	49.63
1892	4.45	2.78	3.95	0.75	6.08	3.89	3.35	5.92	2.16	2.39	5.26	1.29	42.27

RAINFALL AT CHESTNUT HILL RESERVOIR. — *Continued.*

(Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	2.74	8.31	3.15	3.32	5.77	2.33	2.10	6.53	1.85	3.70	2.00	4.91	46.71
1894	3.90	3.81	1.14	3.24	4.27	0.20	3.33	2.27	2.50	6.04	3.41	4.06	38.17
1895	3.91	0.88	2.91	4.60	2.58	2.21	3.55	3.91	2.15	9.21	7.69	2.33	45.93
1896	2.80	5.45	5.53	1.72	1.85	2.98	3.00	2.74	7.16	3.49	3.61	1.89	42.22
1897	4.09	2.79	3.08	3.23	4.40	4.53	4.38	4.68	3.22	0.53	6.74	4.50	46.17
1898	5.60	5.58	2.20	6.17	4.45	2.36	5.57	6.06	1.77	7.38	7.42	2.93	57.49
1899	4.51	5.01	7.05	1.47	0.91	2.73	3.70	3.81	5.38	3.05	2.59	1.75	41.96
1900	4.38	8.74	5.03	2.24	5.41	2.90	2.68	2.15	4.12	3.79	5.30	2.85	49.59
1901	1.72	0.77	7.25	8.21	7.14	1.23	6.40	4.15	3.25	3.01	2.83	8.25	54.21
1902	1.98	7.76	5.27	3.97	1.11	2.74	3.52	2.96	3.31	4.64	1.56	5.43	44.25
1903	3.95	4.60	6.62	4.33	0.79	8.14	3.54	4.01	2.96	4.87	1.53	3.01	48.35
1904	5.64	2.96	2.79	9.18	3.28	2.75	1.48	2.74	5.75	2.21	1.81	2.81	43.40
1905	5.49	2.27	3.34	3.08	1.65	5.38	1.92	3.47	5.93	1.53	2.51	4.27	40.84
1906	3.65	3.17	7.42	2.62	5.43	3.56	4.13	1.82	2.92	3.71	3.37	5.36	47.16
1907	3.80	3.31	2.44	3.72	4.06	3.39	1.49	1.79	10.02	3.65	7.91	6.25	51.83
1908	4.50	6.22	4.18	2.64	4.56	1.28	4.18	5.56	1.22	4.34	1.17	3.46	43.31
1909	4.79	6.61	4.27	3.98	2.44	4.12	1.10	4.11	5.79	1.58	4.89	4.39	48.07
1910	6.11	5.69	1.16	3.57	2.03	5.36	1.93	1.18	2.65	1.69	4.77	2.91	39.05
1911	3.05	3.43	3.27	2.55	0.58	3.84	4.69	5.01	3.59	3.22	4.40	3.65	41.28
1912	3.64	2.48	5.36	3.92	4.06	0.34	6.39	2.24	1.72	1.61	3.00	5.20	39.96
1913	3.38	2.71	5.42	4.90	3.46	1.04	2.25	4.56	3.07	6.48	2.69	3.33	43.29
Av.	4.16	4.12	4.25	3.74	3.44	3.04	3.54	3.97	3.51	3.91	4.15	3.64	45.47

RAINFALL AT CLINTON, MASS. Elevation, 300 feet.

(Bigelow Carpet Co.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	...	...	...	2.50	4.03	2.28	3.35	3.40	0.31	5.84	8.68	1.07	42.98
1878	...	...	...	...	...	...	...	...	...	....	....	...	56.83
1879	...	...	...	...	...	...	...	...	...	...	....	...	43.57
1880	4.54	2.68	3.05	2.80	1.61	2.13	7.68	3.37	2.20	3.81	2.01	1.73	37.61
1881	5.08	3.16	8.55	2.45	3.93	5.64	2.50	1.42	3.21	1.31	5.55	4.80	47.60
1882	4.27	5.86	2.97	1.80	5.53	2.86	1.56	1.34	8.95	2.31	0.76	2.75	40.96
1883	2.80	3.91	1.83	1.85	4.63	3.85	2.10	0.49	2.10	5.66	1.70	3.19	34.11
1884	6.03	6.08	6.43	4.83	3.14	4.94	3.62	4.47	1.13	2.12	2.03	5.50	50.32
1885	4.31	3.88	0.92	3.30	3.31	3.24	2.51	6.11	1.39	5.01	5.89	3.71	43.58
1886	4.92	5.66	3.69	2.70	3.15	1.61	3.39	3.54	3.78	2.80	5.18	3.72	44.14
1887	4.34	5.05	5.07	4.07	1.68	2.70	6.07	10.26	1.08	2.64	3.48	4.19	50.63
1888	4.24	4.09	4.18	2.98	4.41	2.85	2.66	4.91	8.37	6.49	6.36	5.84	57.38
1889	5.37	1.54	1.28	4.46	2.80	1.55	8.17	3.66	3.95	4.51	6.85	2.43	46.57
1890	2.91	3.52	6.61	2.15	5.46	3.23	3.63	5.36	5.33	9.49	1.84	3.93	53.46
1891	7.46	5.05	5.26	3.62	2.20	3.76	2.89	3.72	1.98	3.37	2.15	4.27	45.73
1892	5.21	2.39	2.60	0.55	6.11	1.36	3.93	5.55	1.64	0.31	5.39	0.94	35.98
1893	2.05	5.61	3.79	2.88	6.38	2.34	1.53	4.94	1.45	4.24	2.11	4.75	42.07
1894	2.24	1.77	1.33	3.02	3.07	0.98	2.75	0.76	1.97	4.12	3.17	2.25	27.43
1895	3.73	0.22	2.47	4.93	1.80	4.60	3.52	3.15	1.63	8.88	5.87	3.60	44.40
1896	1.91	5.95	4.42	1.64	2.34	1.60	4.41	2.65	6.21	2.91	2.70	1.79	38.53
1897	3.07	1.51	3.73	1.85	3.87	4.04	7.17	2.75	1.91	1.20	5.62	4.12	40.84
1898	6.23	2.28	1.39	3.06	2.53	2.49	2.34	7.52	2.21	5.97	5.61	2.70	44.33

RAINFALL AT CLINTON. — *Continued.*

(Bigelow Carpet Co.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	2.81	3.91	6.53	1.50	0.92	5.12	3.30	3.37	3.65	1.52	2.13	1.52	36.28
1900	3.43	7.47	5.29	1.90	2.71	2.20	3.08	2.91	2.52	2.20	4.18	1.78	39.67
1901	1.63	0.72	4.31	4.61	4.96	0.42	5.48	3.20	2.61	3.40	1.41	9.69	42.44
1902	2.02	4.35	4.70	2.51	1.88	1.74	2.85	2.88	4.45	6.91	0.64	7.10	42.03
1903	2.61	4.35	4.89	2.29	0.76	8.98	3.23	3.12	2.10	3.14	1.90	3.51	40.88
1904	3.83	2.10	2.57	4.47	2.41	3.20	4.65	5.90	4.52	1.11	1.10	2.50	38.36
1905	5.09	1.60	3.80	2.08	0.90	4.44	3.34	2.54	5.91	1.51	2.25	2.54	36.00
1906	1.60	2.24	3.70	2.49	4.20	4.18	5.04	5.69	2.42	3.14	2.21	4.96	41.87
1907	2.14	2.62	2.05	2.78	2.51	2.90	2.43	1.88	9.74	5.38	4.03	4.33	42.79
1908	2.12	5.14	2.76	1.84	3.72	1.02	3.59	6.81	1.14	1.56	0.91	2.47	33.08
1909	3.73	5.76	3.65	4.38	2.80	2.18	3.46	2.28	3.83	0.75	4.50	3.04	40.36
1910	6.38	4.83	2.39	2.87	1.30	4.37	1.50	4.53	3.75	2.71	3.77	3.41	41.81
1911	3.00	2.96	3.91	1.48	1.56	1.87	1.59	5.11	3.17	3.58	3.74	2.63	34.60
1912	3.25	2.50	6.12	3.17	7.18	0.26	3.31	3.61	2.15	2.58	3.95	5.21	43.29
1913	2.92	2.71	4.76	4.13	3.56	1.14	1.72	1.90	4.29	6.30	2.83	3.14	39.40
Av.	3.74	3.63	3.85	2.87	3.22	2.93	3.56	3.87	3.43	3.62	3.35	3.65	41.72

RAINFALL AT CLINTON, MASS. Elevation, 370 feet.

(Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	1.70	5.70	5.76	4.21	2.09	2.13	2.96	3.23	5.68	6.22	0.93	6.81	47.42
1903	3.31	4.59	6.07	3.21	0.82	12.19	3.45	3.50	2.02	4.23	2.25	4.20	49.84
1904	4.37	2.30	3.30	8.63	3.10	3.36	3.68	5.21	5.19	1.44	1.45	2.57	44.60
1905	5.96	1.78	4.29	2.64	1.01	4.92	4.15	3.16	7.07	1.70	2.33	4.26	43.27
1906	2.51	3.30	5.15	3.18	6.55	6.46	5.80	5.76	2.42	3.01	3.21	4.41	51.76
1907	2.65	1.91	2.14	3.85	3.37	4.67	2.83	1.47	9.99	5.55	6.46	4.54	49.43
1908	3.63	3.99	2.97	2.46	5.17	1.17	3.94	6.86	1.19	2.30	1.33	3.49	38.50
1909	4.11	7.22	4.97	5.39	3.29	3.13	4.03	3.09	4.86	1.52	2.41	4.54	48.56
1910	6.49	4.57	1.28	2.93	1.77	4.68	1.53	4.07	2.98	1.88	4.52	2.40	39.10
1911	3.09	2.81	4.28	2.36	1.41	3.11	2.53	5.31	2.98	4.87	2.59	3.39	38.73
1912	3.31	2.56	6.30	4.36	7.32	0.27	3.51	3.63	2.33	2.78	4.26	5.03	45.66
1913	3.20	2.76	5.03	4.11	4.00	1.03	1.96	2.03	4.24	6.48	2.73	3.50	41.07
Av.	3.69	3.62	4.30	3.94	3.33	3.93	3.36	3.94	4.25	3.50	2.87	4.10	44.83

RAINFALL AT CLINTON, MASS. Elevation, 300 feet.

(Clinton Wire Cloth Co.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	3.89	2.40	3.86	2.60	1.84	2.38	8.12	3.40	2.18	3.73	1.93	2.21	38.54
1881	3.45	4.91	5.69	2.05	3.86	4.95	2.70	0.77	3.65	2.53	3.60	4.69	42.85
1882	3.15	3.27	2.04	1.67	4.95	2.75	1.52	1.30	8.45	2.30	0.80	1.40	33.60
1883	2.29	4.05	1.76	1.57	4.82	4.48	1.94	0.49	2.28	5.07	1.73	2.30	32.78
1884	6.57	5.99	6.90	5.78	2.46	5.50	3.62	4.96	0.73	2.12	2.16	6.66	53.45
1885	6.76	3.76	0.91	4.25	3.22	3.61	2.72	6.40	1.24	5.17	7.23	4.01	49.28
Av.	4.35	4.06	3.53	2.99	3.52	3.94	3.44	2.89	3.09	3.49	2.91	3.54	41.75

RAINFALL AT CLINTON, MASS. Elevation, 370 feet.

(Lancaster Mills.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1878	4.70	4.19	4.27	5.77	0.43	3.69	4.03	7.18	1.45	5.25	6.15	6.09	53.20
1879	1.41	2.36	3.93	4.62	1.62	5.11	4.03	5.55	1.27	0.87	2.60	3.56	36.93
1880	3.43	2.62	1.98	2.12	1.68	1.85	6.90	3.00	2.70	3.40	1.77	2.06	33.51
1881	4.01	3.87	5.64	2.00	3.32	5.00	3.12	1.30	2.55	2.41	3.27	4.69	41.18
1882	4.35	4.03	1.83	1.65	5.65	3.64	1.88	1.62	9.94	2.45	0.98	2.27	40.29
1883	2.47	3.40	1.50	1.42	4.05	3.45	2.52	0.45	1.95	5.09	1.55	2.41	30.26
1884	5.10	6.43	6.31	4.83	2.75	4.95	3.30	3.25	0.75	1.57	2.08	5.05	46.37
1885	4.28	3.50	0.90	2.95	2.55	2.60	2.00	5.25	1.39	3.85	5.90	2.95	38.12
1886	3.70	5.10	3.15	2.10	2.43	1.58	3.40	2.60	3.15	3.45	4.35	3.00	38.01
1887	4.72	4.45	4.40	3.00	1.50	2.55	5.55	9.80	6.25	2.30	2.78	3.97	51.27
1888	3.85	3.52	4.18	2.47	3.25	2.12	2.33	4.89	7.35	6.08	5.85	5.60	51.49
1889	5.03	1.12	1.08	3.76	2.43	0.89	7.29	2.91	5.35	3.55	5.87	2.13	41.41
1890	2.00	2.65	6.08	2.00	5.01	2.70	3.15	4.80	4.75	9.05	1.05	4.28	47.52
1891	6.10	4.28	5.20	2.90	2.08	3.25	3.10	2.80	2.10	2.85	1.72	3.62	40.00
1892	4.80	1.83	2.53	0.43	5.57	1.20	3.40	3.65	1.35	0.39	4.65	0.75	30.55
1893	1.85	4.90	3.15	2.60	5.90	1.95	0.90	3.70	1.15	3.95	1.75	4.35	36.15
1894	2.55	1.95	1.08	2.40	3.41	0.70	2.70	0.67	1.35	3.60	2.50	2.75	25.66
1895	3.15	0.60	1.80	3.83	1.07	4.05	1.90	3.15	1.10	9.55	5.45	2.50	38.15
1896	1.88	6.25	6.25	0.80	1.55	1.92	3.25	2.00	6.64	2.83	1.87	1.15	36.39
1897	1.95	1.90	3.08	1.40	3.02	3.98	6.70	3.30	1.47	0.75	6.08	5.57	39.20
1898	3.40	4.50	0.90	3.80	2.50	1.70	2.75	8.48	1.62	5.55	4.63	3.22	43.05
1899	2.45	1.68	5.77	1.50	0.50	4.43	2.25	3.70	3.62	1.85	1.44	0.87	30.06
1900	3.75	7.55	6.65	1.65	2.97	2.45	2.12	2.95	2.13	2.50	5.90	2.25	42.87
1901	0.95	0.60	5.05	8.45	5.70	0.35	6.32	4.40	1.70	3.65	2.35	8.00	47.52
1902	1.30	3.65	3.60	3.80	1.25	1.13	2.50	2.92	4.50	5.90	0.40	5.15	36.10
1903	2.58	2.82	5.25	2.55	0.10	10.93	3.20	3.50	1.95	4.38	2.20	4.01	43.47
Av.	3.30	3.45	3.68	2.88	2.78	3.01	3.48	3.76	3.06	3.73	3.27	3.55	39.95

RAINFALL AT COHASSET, MASS. Elevation, 50 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	...	...	...	...	...	...	...	3.90	2.02	8.47	6.18	2.76	....
1896	3.05	4.60	5.66	1.48	2.77	4.44	2.59	2.23	6.19	3.80	6.05	2.35	45.21
1897	3.85	2.78	3.16	**3.26**	4.70	3.71	4.85	5.09	2.34	0.99	7.65	4.29	46.67
1898	3.26	9.17	3.48	8.47	4.62	1.54	6.98	8.95	2.12	8.56	6.62	1.14	64.91
1899	5.22	4.61	7.18	1.38	1.16	2.53	3.67	1.22	7.88	2.27	3.53	1.41	42.06
1900	4.43	6.17	4.31	2.01	5.39	3.20	3.01	1.71	4.92	4.71	5.68	2.90	48.44
1901	2.43	0.87	6.69	8.76	7.95	2.01	9.69	3.04	3.77	4.24	2.88	8.49	60.82
1902	1.74	5.76	6.17	3.26	1.11	4.50	2.36	1.76	3.14	4.49	1.68	6.65	42.62
1903	**3.69**	**4.54**	7.34	5.40	0.76	6.75	4.22	3.66	1.15	3.91	2.05	2.25	45.72
Av.	3.46	4.81	5.50	4.25	3.56	3.58	4.67	3.46	3.94	4.12	4.52	3.69	49.56

RAINFALL AT CONCORD, MASS. Elevation, 139 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	5.45	4.78	5.70	2.63	1.63	3.43	2.97	2.85	1.69	3.16	2.65	3.03	39.97
1892	5.16	2.27	3.00	0.71	5.12	4.08	3.47	4.20	2.43	1.71	5.54	0.99	38.68
1893	3.11	5.48	3.03	2.91	5.16	2.95	1.93	6.15	1.86	4.35	2.00	4.36	43.29
1894	2.47	2.69	0.93	2.10	4.22	0.53	3.22	1.81	2.21	4.20	3.28	3.11	30.77
1895	3.25	0.85	2.35	4.41	1.56	2.13	3.70	3.45	2.73	6.80	8.69	2.34	42.26

RAINFALL AT CONCORD, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	1.83	5.04	5.19	1.59	2.26	2.25	3.41	3.10	6.69	3.17	2.59	1.70	38.82
1897	3.18	2.52	3.75	2.26	4.39	3.88	4.50	3.45	2.99	0.35	5.81	4.34	41.42
1898	4.50	4.57	1.87	4.48	2.81	2.36	5.80	8.94	2.34	6.43	5.02	2.77	51.89
1899	3.02	3.47	3.98	1.50	0.97	4.11	3.36	3.07	4.01	1.63	2.49	1.72	33.33
1900	3.56	6.11	4.40	1.92	3.81	2.49	2.18	1.91	3.49	3.15	5.09	2.32	40.43
1901	1.46	1.17	3.89	6.72	7.52	1.81	5.15	3.26	2.71	2.91	2.10	7.47	46.17
1902	1.66	3.12	5.02	3.35	2.39	1.89	2.78	4.26	5.78	4.76	0.85	5.32	41.18
1903	3.16	3.05	6.05	2.82	0.76	8.30	3.27	3.26	2.10	4.41	1.61	2.72	41.51
1904	3.69	2.16	2.25	9.40	3.72	5.13	2.21	3.13	5.19	1.55	1.52	2.13	42.08
1905	4.66	1.85	3.22	2.78	0.93	5.27	2.00	3.20	7.59	1.37	1.98	4.24	39.09
1906	2.42	2.46	5.66	2.79	5.07	3.12	5.37	3.86	2.15	2.55	2.67	3.89	42.01
1907	3.03	1.40	1.99	2.84	3.31	2.81	2.52	1.17	9.05	4.73	5.42	4.23	42.50
1908	2.82	4.31	2.78	1.34	5.07	1.02	3.42	5.22	0.75	2.57	0.95	2.75	33.00
1909	4.09	5.21	3.22	4.85	2.35	3.30	3.76	2.48	4.89	1.11	3.06	3.13	41.45
1910	4.30	4.16	1.44	2.50	1.47	3.35	1.63	2.22	2.97	1.65	3.52	2.03	31.24
1911	2.57	2.54	3.29	2.26	0.29	3.23	3.33	4.60	3.16	3.42	4.09	3.33	36.11
1912	2.85	2.55	5.63	3.99	4.93	0.26	3.49	3.37	2.51	2.55	3.73	4.85	40.71
1913	2.57	2.78	4.98	3.94	3.87	1.63	1.77	3.65	3.23	5.60	2.11	2.82	38.95
Av.	3.25	3.24	3.64	3.22	3.20	3.01	3.27	3.59	3.59	3.22	3.34	3.29	39.86

RAINFALL AT COTUIT (BARNSTABLE), MASS. Elevation, 60 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	5.38	2.87	1.49	2.98	3.76	4.39	0.68	5.03	3.35	2.67	3.56	2.81	38.97
1886	3.71	4.72	5.51	1.51	3.43	1.29	2.61	3.99	1.97	4.93	3.88	5.11	42.66
1887	4.39	5.59	4.49	4.98	2.18	2.39	2.99	4.50	1.82	2.10	2.92	4.58	42.93
1888	3.57	1.80	4.48	2.05	6.48	2.01	4.42	1.78	9.80	4.34	6.14	4.22	51.09
1889	4.22	3.71	3.56	4.44	4.19	2.65	4.09	5.20	3.03	5.58	5.44	2.34	48.45
1890	2.28	2.65	7.06	2.80	3.53	3.68	1.60	4.98	6.44	10.14	1.45	3.85	50.46
1891	7.50	5.75	3.66	2.65	2.62	1.65	2.19	4.13	5.57	10.14	1.72	3.77	51.35
1892	3.94	1.94	4.78	2.38	4.86	1.95	1.18	3.56	2.22	**1.96**	**7.55**	**2.13**	38.45
Av.	4.37	3.63	4.38	2.97	3.88	2.50	2.47	4.15	4.28	5.23	4.08	3.60	45.54

RAINFALL AT DALTON, MASS. Elevation, 1 200 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	2.08	2.04	4.97	3.55	4.36	2.36	5.38	3.94	3.62	3.26	2.26	2.45	40.27
1907	3.25	1.72	1.13	2.07	3.86	3.67	2.36	1.91	8.07	7.52	4.21	3.69	43.46
1908	3.07	3.16	2.94	2.35	5.10	2.37	5.51	4.19	0.97	1.52	0.71	2.78	34.67
1909	4.00	5.25	4.04	3.92	2.02	3.00	1.70	3.49	3.63	1.16	1.83	1.95	35.99
1910	5.24	4.07	0.91	3.68	4.16	2.78	2.82	2.91	4.75	1.16	3.73	2.08	38.29
1911	3.08	1.72	3.84	2.20	2.39	2.00	2.92	5.38	3.67	6.22	2.55	3.17	39.14
1912	2.04	1.79	4.52	5.22	5.73	1.51	2.81	5.32	3.40	3.65	4.42	4.36	44.77
1913	4.73	2.77	6.70	3.36	3.30	1.28	2.71	2.65	2.87	5.33	4.21	2.62	42.53
Av.	3.44	2.82	3.63	3.29	3.86	2.37	3.28	3.72	3.87	3.73	2.99	2.89	39.89

RAINFALL AT DUDLEY, MASS. Elevation, 450 feet.

(Stevens Linen Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	2.89	2.00	3.59	0.72	5.89	3.38	2.52	6.18	2.32	1.29	5.92	1.31	38.01
1893	2.65	6.33	4.10	3.41	5.82	2.09	1.01	4.01	2.72	5.01	2.38	4.34	43.87
1894	3.04	3.36	1.63	2.77	4.05	0.64	1.70	2.49	2.05	2.72	4.19	3.98	32.62
1895	4.06	0.95	3.20	4.68	2.40	3.47	5.40	3.41	3.62	7.13	8.19	3.75	50.26
1896	1.51	4.28	6.69	1.19	1.99	3.30	3.75	2.86	7.83	2.94	2.98	3.25	42.57
1897	3.25	2.65	3.64	2.38	4.31	2.83	7.72	3.93	1.69	1.07	6.67	4.52	44.66
1898	4.71	4.08	2.70	3.78	3.35	3.07	6.02	6.79	3.27	6.30	7.21	1.75	53.03
1899	4.77	4.17	6.20	2.32	1.51	4.03	4.11	1.84	3.95	1.13	2.39	1.77	38.19
1900	4.42	7.66	5.91	2.55	5.72	4.91	4.58	1.51	2.09	4.04	5.37	2.45	51.21
1901	1.40	1.06	6.53	6.84	6.45	1.28	4.20	5.36	4.43	3.62	2.47	9.43	53.07
1902	2.00	2.97	6.63	2.95	1.60	3.88	4.24	3.09	5.15	5.34	0.74	6.58	45.17
1903	3.30	4.44	7.23	2.68	0.73	7.25	2.98	4.45	2.16	3.40	2.10	3.29	44.01
1904	3.71	2.59	3.09	6.90	2.33	2.22	2.19	4.93	5.13	2.00	1.26	2.94	39.29
1905	3.97	1.61	2.78	2.91	1.01	3.84	0.95	4.48	6.67	1.91	2.51	3.87	36.51
1906	2.79	2.43	5.03	3.03	6.27	3.20	4.79	1.66	2.55	4.28	2.12	2.14	40.29
1907	4.80	1.88	1.74	2.83	3.27	3.71	2.18	0.82	8.41	4.94	5.89	4.93	45.40
1908	2.77	4.45	3.48	1.76	4.11	2.87	3.97	7.72	1.36	2.05	0.95	3.46	38.95
1909	2.79	5.88	3.30	5.10	2.35	1.63	1.95	2.48	4.69	1.26	1.86	2.66	35.95
1910	5.90	4.02	1.47	3.37	1.76	4.01	1.49	1.90	1.83	1.48	3.90	2.31	33.44
1911	2.95	2.60	3.47	2.80	0.23	1.57	3.44	5.51	5.04	3.71	5.35	3.39	40 06
1912	2.01	2.70	7.69	4.30	5.01	0.68	4.17	3.80	1.21	1.76	3.69	5.38	42.40
1913	3.12	2 96	6.27	4.74	2.84	2.36	1.67	4.73	4.14	6.35	1.82	4.15	45.15
Av.	3.31	3.41	4.38	3.36	3.32	3.01	3.41	3.82	3.74	3.35	3.64	3.71	42.46

RAINFALL AT EGREMONT (SOUTH), MASS. Elevation, 760 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	2.79	3.40	4.65	1.78	0.91	12.27	4.01	7.17	1.16	5.66	3.10	3.79	50.69
1904	2.61	2.03	3.63	4.53	2.98	10.17	2.44	6.71	5.42	2.55	2.22	2.82	48.11
1905	4.34	1.39	2.34	3.47	1.18	2.81	5.41	3.60	5.81	2.35	2.69	3.14	38.53
1906	1.98	2.04	4.45	4.12	3.54	4.17	5.79	2.85	2.80	3.57	1.95	3.89	41.15
1907	2.73	2.43	1.29	2.49	4.60	5.02	3.03	1.31	8.40	10.51	4.49	4.33	50.63
1908	3.32	3.90	2.09	2.66	4.58	1.89	5.32	4.72	1.30	2.04	0.75	2.82	35.39
1909	3.97	6.16	3.35	5.49	5.24	2.57	2.77	3.52	3.54	1.22	2.39	3.47	43.69
1910	6.04	4.16	1.65	4.66	5.00	3.21	1.89	4.15	2.41	1.18	4.37	2.14	40.86
Av.	3.47	3.19	2.93	3.65	3.50	5.26	3.83	4.25	3.86	3.64	2.75	3.30	43.63

RAINFALL AT FALL RIVER, MASS. Elevation, 210 feet.

(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1873	7.29	3.13	3.34	4.72	4.23	1.85	2.29	5.19	3.13	6.28	6.58	5.18	53.21
1874	3.46	3.17	2.10	9.45	4.86	4.05	3.59	9.92	3.68	1.83	2.43	3.08	51.62
1875	4.29	3.76	5.98	5.20	4.44	5.51	5.73	5.40	2.51	3.76	5.31	1.04	52.93
1876	1.31	5.76	8.57	5.93	3.19	1.53	4.73	1.36	3.80	1.92	11.08	5.46	54.64
1877	3.75	2.03	11.03	2.60	3.50	3.43	4.93	4.69	0.94	8.98	9.80	1.70	57.38
1878	7.76	4.40	4.97	4.65	2.61	2.92	2.59	2.70	1.94	7.15	6.62	7.02	55.33
1879	3.26	2.94	5.15	5.49	1.80	5.64	3.80	5.92	2.52	1.00	3.15	3.69	44.36

RAINFALL AT FALL RIVER, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	2.04	3.49	4.25	4.36	0.89	2.67	6.78	7.53	2.21	3.44	3.58	4.02	45.26
1881	7.11	6.64	5.86	2.10	3.58	6.20	2.47	0.81	2.77	2.05	5.86	2.90	48.35
1882	3.94	7.05	3.81	4.30	3.84	2.63	1.61	0.47	5.85	5.16	1.77	3.54	43.97
1883	5.05	4.49	1.92	3.08	3.06	1.34	5.11	0.48	2.90	5.33	3.88	3.00	39.64
1884	6.66	6.13	5.69	4.84	3.25	3.56	5.13	6.35	0.81	1.82	4.54	6.73	55.51
1885	5.99	3.19	1.92	2.60	3.55	3.31	1.11	4.07	1.58	4.93	3.16	3.24	38.65
1886	6.83	10.91	4.26	2.00	3.73	1.17	2.25	4.12	1.82	4.85	5.06	3.93	50.93
1887	7.16	5.31	5.55	4.06	2.58	5.04	3.95	3.91	1.44	3.89	2.88	5.05	50.82
1888	5.66	4.18	7.44	3.19	6.28	1.17	4.34	5.20	7.91	3.63	10.25	5.05	64.30
1889	7.19	2.94	3.33	4.68	4.68	3.08	5.95	6.09	4.69	4.79	9.35	2.82	59.59
1890	2.92	3.39	9.71	4.31	6.13	4.15	2.02	5.15	4.96	10.67	1.54	4.55	59.50
1891	10.45	6.90	7.17	3.52	2.31	1.76	2.73	2.70	1.81	6.02	3.42	4.30	53.09
1892	6.16	1.72	4.96	2.24	4.04	2.14	1.80	5.01	3.54	1.65	7.10	1.86	42.22
1893	3.02	6.29	2.98	3.08	4.26	2.84	1.52	6.33	3.17	4.66	4.12	6.47	48.74
1894	3.04	3.47	1.63	4.58	3.56	1.06	2.71	2.51	5.15	7.93	5.24	5.68	46.56
1895	4.05	0.66	4.02	4.74	4.17	2.99	3.88	3.08	1.66	5.06	8.65	3.03	45.99
1896	2.40	5.04	7.32	1.53	2.46	5.05	4.74	3.94	9.66	4.14	3.96	1.85	52.09
1897	4.47	2.17	3.01	4.30	4.08	3.18	5.16	6.08	2.02	1.29	9.45	4.83	50.04
1898	3.90	7.06	3.60	5.52	5.75	1.34	5.24	8.57	1.86	12.00	7.06	2.27	64.17
1899	5.84	4.11	7.44	2.92	1.82	4.46	3.37	1.85	7.90	2.39	2.44	1.45	45.99
1900	4.93	6.75	5.47	2.81	5.76	1.72	3.14	2.17	4.03	5.78	4.58	2.54	49.68
1901	2.43	0.91	7.90	9.58	9.06	1.78	2.98	2.75	2.70	3.44	2.46	10.16	56.15
1902	2.02	4.03	6.06	3.07	1.55	4.03	2.24	0.79	2.97	3.94	1.08	7.17	38.95
1903	3.98	4.31	7.77	4.79	1.83	5.25	2.25	3.83	0.87	4.12	2.13	3.07	44.20
1904	4.19	3.42	1.86	8.56	3.05	3.34	2.47	4.06	2.53	1.28	2.17	3.22	40.15
1905	2.80	1.61	2.48	2.07	1.31	5.08	2.94	4.84	3.92	2.05	2.71	3.97	35.78
1906	3.16	3.72	6.03	2.45	4.44	3.04	4.53	3.21	3.06	2.96	2.31	2.81	41.72
1907	3.75	2.09	1.71	3.19	4.11	1.98	0.88	1.22	6.41	2.20	5.08	4.61	37.23
1908	2.80	3.69	3.24	1.53	3.73	2.24	1.95	4.73	0.90	6.13	1.17	3.69	35.80
1909	4.45	5.03	3.19	5.69	2.99	1.48	0.44	2.16	3.12	1.76	3.80	2.84	36.95
1910	4.82	3.92	2.13	1.59	2.67	3.33	2.89	2.76	1.89	1.67	3.48	2.60	33.75
1911	3.48	1.86	2.50	2.96	1.83	1.45	5.05	2.39	2.59	2.05	6.25	2.98	35.39
1912	3.92	2.11	6.44	3.66	4.21	0.24	1.09	5.29	1.98	0.94	4.07	6.22	40.17
1913	4.45	3.69	3.01	5.85	1.61	1.05	3.17	2.89	2.50	9.73	2.13	3.81	43.89
Av.	4.54	4.08	4.80	4.09	3.58	2.93	3.31	3.96	3.21	4.26	4.68	3.99	47.43

RAINFALL AT FALMOUTH, MASS. Elevation, 60 feet.

(Wood's Hole.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1873	4.76	4.92	3.15	4.63	4.32	1.01	1.56	3.07	3.86	5.54	9.05	6.23	52.10
1874	3.92	2.73	1.10	9.32	3.45	4.47	2.26	3.80	2.03	0.61	3.36	4.18	41.23
1875	4.20	2.88	5.34	3.95	4.52	2.23	4.68	2.37	2.79	3.62	4.77	1.23	42.58
1876	2.11	6.02	5.12	5.08	1.43	1.37	3.13	0.99	5.88	0.94	11.70	4.49	48.26
1877	2.83	2.84	10.78	4.20	2.39	2.22	5.69	5.42	0.28	6.97	6.08	1.20	50.90
1878	5.47	3.43	6.23	5.09	4.28	2.23	2.69	6.65	1.50	4.85	4.60	3.27	50.29
1879	3.06	1.98	4.39	4.78	1.35	2.31	3.91	4.81	2.22	1.37	3.54	2.86	36.88
1880	1.69	2.13	3.73	2.85	0.88	1.71	3.77	5.39	1.27	3.18	1.69	3.03	31.32
Av.	3.54	3.37	4.98	4.99	2.83	2.19	3.46	4.06	2.48	3.38	5.60	3.31	44.19

RAINFALL AT FITCHBURG, MASS. Elevation, 625 feet.

(Dr. Jabez Fisher.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1865	2.45	1.26	4.14	2.27	7.70	2.28	1.58	2.19	0.27	5.19	3.76	2.14	35.23
1866	1.02	8.33	4.58	6.09	4.19	5.53	5.22	3.97	3.56	2.68	3.52	2.28	50.97
1867	1.47	2.76	1.76	2.80	4.03	6.52	4.35	10.72	0.64	3.02	2.57	1.28	41.92
1868	1.97	0.85	1.62	2.98	8.04	2.58	1.16	3.41	14.04	1.00	3.69	1.22	42.56
1869	1.78	3.14	3.73	1.98	5.37	4.45	2.16	1.72	4.08	13.01	2.15	3.44	47.01
1870	5.58	4.10	2.91	4.58	2.09	2.38	1.40	1.71	1.85	3.65	2.21	2.70	35.16
1871	1.14	1.95	2.81	2.37	2.72	5.48	2.30	4.30	1.41	4.72	3.44	1.23	33.87
1872	1.55	1.04	1.97	2.19	2.79	4.17	3.57	10.09	3.42	3.45	4.01	1.84	40.09
1873	3.21	1.41	2.24	1.03	3.90	0.09	5.91	4.90	4.07	7.34	2.27	2.42	38.79
1874	3.71	2.48	0.88	3.40	3.22	4.60	6.45	3.24	1.81	2.46	1.98	0.76	34.99
1875	1.45	2.77	3.19	5.23	4.20	3.97	3.07	5.71	2.83	5.58	3.24	0.58	41.82
1876	1.50	6.16	5.76	1.77	3.78	3.00	5.37	0.17	3.92	1.73	3.21	1.68	38.05
1877	1.70	0.34	6.15	2.94	2.73	2.45	3.40	2.40	0.44	7.04	5.64	0.82	36.05
1878	3.28	3.03	3.10	5.93	0.57	4.66	2.89	7.64	0.90	4.25	4.62	6.16	47.03
1879	1.48	2.45	2.78	2.12	2.74	7.20	4.08	7.32	2.34	0.65	2.49	3.23	38.88
1880	3.67	2.86	1.47	2.47	1.67	2.00	7.59	2.31	2.05	2.32	2.06	1.57	32.04
1881	2.73	2.87	3.36	1.05	3.45	4.15	2.73	1.93	1.40	2.48	3.75	3.94	33.84
1882	3.05	3.36	2.58	1.20	5.14	2.66	2.19	0.78	8.94	1.67	0.38	1.36	33.31
1883	2.15	2.90	0.99	1.49	3.54	2.94	2.74	1.42	1.47	4.45	1.50	1.86	27.45
1884	4.05	4.35	3.41	3.12	2.33	2.72	3.17	3.95	0.67	1.46	2.13	4.91	36.27
1885	5.03	2.90	0.38	2.23	2.24	1.36	1.85	8.63	1.57	3.41	5.61	2.39	37.60
1886	6.46	5.34	3.27	2.55	3.12	1.74	3.90	2.79	4.91	3.19	5.32	4.44	47.03
1887	6.12	5.04	4.79	4.84	2.77	3.34	7.23	9.38	2.45	1.99	3.39	4.04	55.38
1888	4.65	4.30	4.43	3.50	3.80	4.36	1.94	5.01	10.57	5.40	6.28	5.36	59.60
1889	5.73	1.72	1.97	3.12	3.28	2.62	7.17	2.31	3.35	5.08	6.22	3.22	45.79
1890	3.13	3.64	6.07	1.88	5.54	1.96	3.71	6.07	5.96	8.55	1.63	3.71	51.85
1891	7.06	4.56	5.17	4.26	1.79	3.48	3.95	2.48	1.87	3.73	2.97	4.26	45.58
1892	5.28	2.81	3.81	0.57	6.43	2.78	2.94	7.75	1.75	0.62	6.11	0.78	41.63
1893	2.30	6.89	2.77	2.78	8.25	2.65	1.54	7.58	1.60	5.03	2.48	4.95	48.82
1894	2.99	3.63	0.81	2.75	4.06	1.63	1.73	0.58	3.55	4.44	3.68	3.28	33.13
1895	3.32	1.28	2.55	4.73	2.32	3.24	6.26	2.09	2.70	7.10	5.88	3.78	45.25
1896	2.37	6.95	5.81	1.05	1.90	2.25	2.57	2.29	6.59	2.92	3.00	1.69	39.39
1897	2.61	2.42	2.66	1.35	4.86	5.09	12.68	2.50	2.37	1.03	7.33	6.39	51.29
1898	5.18	4.14	1.60	5.37	4.11	3.82	2.84	7.80	2.77	7.96	7.27	2.85	55.71
1899	3.27	3.59	6.87	1.07	1.38	3.35	4.47	2.87	4.72	1.93	2.18	2.03	37.73
1900	4.03	7.15	5.94	2.48	3.10	2.84	2.61	3.97	4.13	4.05	6.35	3.57	50.22
1901	4.77	0.77	5.06	9.91	7.46	1.19	5.13	4.50	1.73	3.52	1.67	8.46	54.17
1902	2.00	3.20	5.23	6.19	2.31	2.93	3.50	3.97	4.53	6.30	0.73	6.75	47.64
1903	2.68	3.59	5.86	3.69	1.20	10.34	3.05	3.43	2.29	1.87	2.00	3.88	43.88
1904	4.27	2.02	3.00	8.06	3.28	3.63	2.20	3.79	4.02	2.00	1.97	1.77	40.01
1905	5.65	1.52	3.96	2.03	1.34	6.49	4.20	5.25	6.25	1.96	1.97	3.23	43.85
1906	2.20	2.18	4.66	2.31	7.06	6.84	5.71	3.46	1.57	3.87	1.82	3.90	45.58
1907	2.22	1.51	1.74	1.92	2.71	5.06	4.09	1.23	9.30	4.72	6.63	3.39	44.52
1908	2.60	3.69	2.35	1.64	6.39	1.06	3.41	7.66	1.05	2.52	1.11	2.71	36.19
1909	3.20	5.49	3.30	4.19	2.43	3.06	1.70	3.20	4.05	1.31	2.60	3.07	37.60
1910	5.25	4.85	1.22	2.76	1.61	4.87	1.72	2.71	3.05	1.18	4.12	1.95	35.29
1911	2.54	2.09	3.45	1.66	1.16	3.04	2.36	6.64	2.29	5.70	3.43	2.77	37.13
1912	2.29	2.18	5.16	3.21	4.36	0.20	3.98	2.79	3.30	2.71	3.71	3.66	37.55
1913	2.39	2.64	4.96	2.82	3.63	0.71	1.49	4.43	4.79	5.65	2.11	2.65	38.27
Av.	3.28	3.28	3.43	3.10	3.63	3.46	3.70	4.23	3.45	3.84	3.43	3.07	41.90

RAINFALL AT FITCHBURG, MASS. Elevation, 550 feet.

(Dr. A. P. Mason.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	...	3.13	1.04	3.29	3.10	1.68	2.45	9.55	1.53	4.10	5.85	2.85	....
1886	5.56	4.64	3.13	2.60	3.17	1.85	4.67	3.15	5.00	2.79	5.10	4.63	46.29
1887	4.93	5.45	4.31	5.09	2.70	3.47	7.09	9.77	3.30	2.08	3.63	4.26	56.08
1888	3.89	4.56	5.17	3.58	4.35	4.04	2.63	4.79	10.86	5.92	6.43	4.87	61.09
1889	4.86	1.72	1.83	3.07	3.34	2.92	7.35	3.02	3.77	5.77	6.74	3.48	47.87
1890	3.24	4.07	6.22	2.18	5.50	1.97	4.79	6.60	6.38	9.26	1.68	2.99	54.88
1891	6.95	4.19	5.15	4.17	1.76	3.44	3.52	2.46	1.88	3.37	2.68	4.02	43.59
1892	5.01	2.50	2.97	0.57	5.95	3.07	3.08	6.83	1.55	0.66	5.30	0.86	38.35
1893	2.39	6.23	3.24	2.78	6.83	2.22	1.56	8.95	1.54	4.92	2.33	4.70	47.69
1894	2.65	2.48	1.11	3.31	3.56	1.00	1.75	0.66	3.97	4.04	3.24	3.46	31.23
1895	3.75	0.92	2.84	4.85	2.11	3.50	2.92	2.16	2.38	7.86	4.53	3.90	41.72
1896	1.34	6.96	5.32	1.16	1.92	1.92	2.72	2.06	6.32	2.76	3.11	1.46	37.05
1897	3.22	2.86	3.83	1.81	4.41	4.37	8.88	3.08	1.94	0.91	6.91	5.70	47.92
1898	5.52	4.01	1.37	4.39	3.36	3.06	3.23	7.67	2.54	6.99	6.76	2.97	51.87
1899	3.47	3.19	7.36	1.64	1.12	4.29	4.23	2.34	4.82	1.62	2.09	1.76	37.93
1900	4.49	8.96	6.55	2.10	2.83	2.38	2.66	3.63	4.09	3.58	5.91	2.80	49.98
1901	1.70	0.75	4.98	8.98	6.94	1.10	6.03	4.14	1.63	3.46	1.49	8.30	49.50
1902	2.06	2.85	5.23	3.65	2.69	2.85	3.42	3.85	4.23	6.28	0.45	6.34	43.90
1903	2.65	3.61	5.14	2.49	1.05	8.98	3.08	3.06	2.46	4.10	2.13	3.26	42.01
1904	3.25	1.82	2.89	6.13	3.53	3.48	2.44	3.85	3.68	1.71	0.73	2.44	35.95
1905	5.56	1.44	3.96	2.28	1.35	5.60	4.62	5.38	6.10	1.94	2.04	3.17	43.44
1906	2.50	2.29	4.67	2.38	6.78	5.72	5.37	3.00	1.61	3.81	1.98	4.23	44.34
1907	2.69	1.64	1.68	2.62	2.54	3.51	3.44	1.13	8.90	4.87	4.96	3.63	41.61
1908	2.19	4.10	2.36	1.61	5.22	1.15	4.40	7.32	1.06	1.90	0.93	2.82	35.06
1909	2.93	5.71	3.62	4.43	1.98	2.84	2.48	3.08	4.11	1.34	1.82	4.01	38.35
1910	5.07	4.16	1.14	2.78	1.84	4.35	1.91	3.57	3.01	1.34	2.69	2.11	33.97
1911	2.49	2.11	2.98	1.63	1.80	2.83	2.52	6.48	2.37	4.64	3.41	3.01	36.27
1912	2.25	1.89	5.39	3.13	3.92	0.39	3.66	2.86	2.95	2.19	3.12	3.91	35.66
1913	2.52	2.31	4.68	2.94	3.28	0.44	1.74	4.96	5.03	5.26	2.30	2.44	37.90
Av.	3.54	3.48	3.90	3.16	3.42	3.10	3.79	4.28	3.84	3.76	3.37	3.63	43.27

RAINFALL AT FRAMINGHAM, MASS. Elevation, 160 feet.

(Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	1.48	4.06	7.09	3.92	2.66	1.33	7.19	1.46	4.01	2.33	5.54	2.77	43.84
1877	3.01	0.26	8.19	3 44	3.94	3.05	2.67	3.34	0.34	7 94	6.12	0.92	43.22
1878	6.06	4.56	4.46	5.41	0.92	3.79	3.14	7.15	1.00	5.27	6.33	6.27	54.36
1879	2.56	3.76	4.47	4.58	1.46	3.25	3.61	6.16	1.68	0.86	2.61	4.83	39.83
1880	3.06	4.11	3.57	3.01	1.92	1.82	5.89	4.50	1.52	3.50	2.00	2.97	37.87
1881	5.42	4.57	5.29	1.88	3.29	4.86	3.06	1.37	2.28	3.01	3.94	3.71	42.68
1882	5.58	4.42	2.95	1.90	5.32	2.14	1.49	1.67	8.45	2.13	1.61	2.43	40.09
1883	2.85	3.61	1.69	1.98	3.83	2.02	2.76	0.54	1.51	5.81	1.90	3.45	31.95
1884	5.29	6.47	4.69	4.52	3.28	3.14	3.75	5.14	0.58	2.58	2.55	5.22	47.21
1885	4.95	3.82	1.01	3.69	3.52	2.97	1.29	7.18	1.51	5.71	5.98	2.42	44.05
1886	6.54	6.28	3.59	2.05	2.98	1.30	3.15	3.79	3.05	3.49	4.47	5.17	45.86
1887	5.20	5.07	4.96	4.60	1.06	2.42	3.81	4.62	1.29	2.87	2.64	3.91	42.45
1888	4.19	3.71	6.27	2.58	4.50	2.80	1.59	6.77	8.99	5.29	7.64	5.61	59.94
1889	5.36	1.68	2.46	3.59	4.05	3.42	9.34	4.49	4.61	4.65	6.28	3.15	53.08
1890	2.54	3.60	7.73	2.63	4.94	1.97	2.37	3.72	6.51	10.26	1.25	5.20	52.72

RAINFALL AT FRAMINGHAM, MASS.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	6.92	5.12	6.63	3.76	2.17	3.37	3.07	5.22	2.35	3.70	3.04	3.76	49.11
1892	6.00	3.20	4.01	0.85	5.57	2.75	4.22	4.48	2.59	1.28	5.81	1.14	41.90
1893	2.93	8.15	3.68	3.39	6.94	2.47	2.91	5.38	1.80	4.08	2.23	4.94	48.90
1894	4.23	3.91	1.41	3.28	4.37	1.11	3.82	1.94	2.78	5.20	3.43	4.81	40.29
1895	3.88	1.45	2.95	5.38	1.94	3.23	5.17	4.00	2.19	10.07	7.94	3.20	51.40
1896	2.43	5.85	5.91	1.85	2.83	3.14	2.14	2.74	7.39	3.84	2.92	2.17	43.21
1897	4.14	2.85	3.43	2.85	4.46	4.44	5.34	2.95	2.51	0.41	6.45	5.06	44.89
1898	6.54	4.27	2.40	4.73	3.05	2.24	3.98	7.42	2.09	7.01	7.24	3.30	54.27
1899	4.19	4.79	7.05	1.73	1.38	2.48	3.16	1.59	3.78	2.61	2.12	1.71	36.59
1900	4.64	8.82	6.24	2.48	4.22	2.91	2.24	2.25	3.41	3.78	5.37	2.54	48.90
1901	1.86	1.49	6.41	8.00	7.01	1.20	5.19	4.42	2.96	2.57	2.72	10.87	54.70
1902	2.71	6.65	6.45	4.62	1.79	2.42	2.97	4.07	4.34	4.20	1.36	6.61	48.19
1903	3.77	3.91	6.34	2.94	1.15	8.55	2.55	3.60	1.49	4.42	1.48	3.05	43.25
1904	4.70	3.00	2.69	8.78	2.44	2.70	2.14	3.41	5.64	1.51	1.73	2.96	41.70
1905	5.30	2.12	3.21	2.66	1.23	5.03	5.21	2.54	7.16	1.41	1.94	4.02	41.83
1906	2.50	2.88	6.13	2.72	5.25	3.38	3.13	2.64	2.91	3.11	2.50	4.39	41.54
1907	3.41	2.18	1.79	3.05	3.53	3.20	1.71	1.07	8.32	3.83	5.84	4.17	42.10
1908	3.24	4.22	3.67	1.75	5.41	0.74	3.43	4.36	0.96	2.52	0.89	2.95	34.14
1909	4.14	5.77	4.07	4.02	2.31	2.89	1.63	2.82	4.55	1.09	3.24	3.94	40.47
1910	4.98	5.10	0.77	2.72	1.34	4.81	1.76	2.26	2.57	1.88	4.02	2.43	34.64
1911	2.75	2.64	3.33	2.80	0.72	2.42	3.21	4.66	2.73	3.57	4.39	3.63	36.85
1912	2.84	2.64	6.33	4.12	4.20	0.38	3.35	2.92	1.70	2.58	3.54	5.02	39.62
1913	2.96	2.72	5.63	3.96	3.79	2.02	4.02	4.56	3.89	5.31	2.44	3.15	44.45
Av.	4.08	4.05	4.45	3.48	3.28	2.85	3.46	3.77	3.35	3.83	3.78	3.89	44.27

RAINFALL AT GARDNER, MASS. Elevation, 1 110 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	...	...	...	...	...	...	5.50	3.28	1.69	4.07	2.66	4.25	....
1907	2.18	1.31	1.90	2.64	3.06	3.52	3.96	1.09	9.81	5.59	5.74	4.01	44.81
1908	3.07	4.40	2.93	2.36	4.28	2.32	2.73	8.14	1.02	1.62	1.03	2.79	36.69
1909	4.13	5.40	3.49	5.24	2.58	2.10	4.34	2.81	4.82	1.21	2.27	3.28	41.67
1910	5.32	4.89	1.58	2.96	1.76	3.11	2.18	4.08	2.90	1.31	4.03	2.48	36.60
1911	2.98	2.26	3.83	2.13	1.13	2.91	3.98	7.07	2.41	5.35	3.82	3.59	41.46
1912	2.40	2.15	5.89	4.62	4.39	0.52	2.85	3.13	3.03	2.16	5.41	4.18	40.73
1913	2.40	2.69	5.58	3.36	4.53	0.58	1.57	3.97	3.77	5.24	2.96	3.06	39.71
Av.	3.21	3.30	3.60	3.33	3.10	2.15	3.09	4.33	3.97	3.21	3.61	3.34	40.24

RAINFALL AT GRANVILLE, MASS. Elevation, 750 feet.

(Westfield Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1908	3.05	5.82	3.05	3.26	6.42	2.27	4.11	5.02	1.63	3.02	0.83	2.95	41.43
1909	4.06	6.23	4.76	6.38	3.45	2.26	2.19	6.28	3.80	1.22	2.73	3.90	47.26
1910	6.40	4.98	1.48	4.79	3.25	4.08	1.29	3.58	4.08	1.01	5.12	1.78	41.84
1911	2.06	2.09	3.31	2.55	1.15	4.01	4.40	6.94	4.95	10.10	3.00	3.44	48.00
1912	2.18	3.20	5.75	4.31	5.01	0.62	3.67	4.66	3.57	5.45	4.53	3.51	46.46
1913	3.50	2.28	4.42	3.46	5.23	1.00	1.52	3.20	3.47	8.99	3.93	2.18	43.18
Av.	3.54	4.10	3.79	4.13	4.09	2.37	2.86	4.95	3.58	4.96	3.36	2.96	44.69

RAINFALL AT GROTON, MASS. Elevation, 325 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	...	...	...	...	...	...	2.88	5.45	1.37	4.77	5.26	1.65	....
1886	5.41	5.09	1.17	2.20	3.15	1.54	3.82	3.86	4.83	3.17	3.70	2.36	40.30
1887	6.02	4.45	5.03	4.66	2.48	2.66	5.19	8.52	1.94	2.36	3.15	3.84	50.30
1888	3.00	4.15	5.84	3.85	3.41	2.83	2.40	4.20	10.42	6.43	5.32	4.64	56.49
1889	4.35	1.45	1.47	3.27	3.32	2.03	6.91	2.88	3.33	4.79	6.67	3.05	43.52
1890	2.85	3.84	6.11	2.17	5.01	3.08	4.20	6.37	6.50	9.63	1.57	3.28	54.61
1891	6.61	4.08	5.31	3.29	2.36	3.14	3.47	1.95	2.05	2.72	2.15	3.89	41.02
1892	4.64	2.62	2.54	0.65	6.19	3.58	2.64	5.73	1.60	1.10	5.69	0.87	37.85
1893	2.25	6.21	3.22	3.10	7.01	2.94	1.78	5.26	2.15	3.71	2.41	5.27	45.31
1894	2.44	2.77	1.18	3.35	3.96	0.89	2.09	0.74	3.85	4.04	3.95	2.89	32.15
1895	3.74	0.99	2.79	4.60	3.08	4.76	3.42	2.69	3.17	7.54	6.49	2.56	45.83
1896	2.14	5.60	5.85	1.85	2.15	2.29	3.04	2.67	7.30	3.61	2.72	1.81	41.03
1897	3.08	2.68	3.98	2.04	4.78	6.30	6.57	4.52	2.85	1.08	7.77	6.03	51.68
1898	5.67	4.66	1.83	5.35	3.54	3.10	3.05	8.94	3.41	8.13	6.20	2.57	56.45
1899	3.35	3.86	6.86	2.04	2.00	4.24	2.89	2.12	3.89	2.30	2.13	1.80	37.48
1900	4.63	9.51	6.91	2.05	3.69	3.99	3.21	3.90	4.12	3.34	5.84	2.95	54.14
1901	2.04	0.72	5.41	10.65	6.89	2.02	6.13	3.51	2.11	3.26	1.97	8.65	53.36
1902	2.29	3.99	4.53	3.95	2.60	2.14	3.91	4.20	4.40	6.38	0.97	6.39	45.75
1903	2.90	3.87	6.55	3.01	1.16	10.92	4.39	3.79	1.93	4.70	2.09	2.94	48.25
1904	4.10	1.48	3.05	8.60	4.80	2.88	2.68	3.53	4.26	1.25	1.03	1.90	39.51
1905	4.55	1.48	3.13	2.41	1.25	5.33	2.51	5.05	6.21	1.62	2.05	3.81	39.40
1906	2.68	2.64	4.79	2.96	6.09	6.51	3.99	2.07	1.53	2.67	2.97	4.18	43.08
1907	2.37	1.96	2.00	2.94	3.06	3.82	3.42	1.50	10.17	5.17	5.80	4.94	47.15
1908	3.56	4.58	2.83	1.89	4.76	1.08	2.78	5.61	0.81	2.22	1.09	2.85	34.06
1909	2.70	5.71	3.52	4.86	1.99	...	...	...	...	...	...	...	....
1913	2.19	2.44	4.47	2.96	3.33	0.91	1.69	2.68	4.17	6.46	1.65	2.65	35.60
Av.	3.62	3.55	4.03	3.49	3.75	3.46	3.59	4.01	4.04	4.07	3.56	3.59	44.76

RAINFALL AT HAVERHILL, MASS. Elevation, 125 feet.
(City Hall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895*	5.10	1.50	2.90	3.65	2.10	3.30	3.85	2.90	2.40	7.45	5.80	3.20	44.15
1896*	2.50	5.60	7.20	1.40	2.50	2.00	3.20	2.60	7.20	3.15	2.60	1.90	41.85
1897*	4.20	3.60	3.60	1.80	4.20	6.00	3.80	2.60	2.90	2.50	4.70	5.10	45.00
1898*	2.90	6.70	1.10	5.50	3.30	2.40	2.00	6.70	2.40	7.80	3.50	4.50	48.80
1899*	3.60	4.40	8.10	2.20	0.70	2.60	3.50	2.00	4.50	2.60	3.00	0.90	38.10
1900	4.56	8.28	6.47	1.60	4.21	1.53	2.07	3.46	4.93	3.68	4.75	2.59	48.13
1901	1.21	0.70	4.23	8.98	6.88	1.16	3.41	2.76	2.04	2.98	2.82	8.35	45.52
1902	2.31	4.42	6.41	5.41	2.07	2.24	3.76	3.94	3.02	4.61	0.67	5.33	44.19
1903	2.93	2.89	5.52	3.60	0.67	9.37	2.35	3.43	1.89	3.14	1.21	3.18	40.18
1904	4.63	2.72	2.82	8.13	2.76	3.16	2.32	2.73	6.42	1.26	1.62	1.93	40.50
1905	5.77	1.66	3.00	2.80	1.23	7.04	1.29	2.58	5.82	1.05	1.95	4.68	38.87
1906	2.54	2.51	7.77	2.61	5.92	4.79	3.97	1.99	1.20	1.96	3.76	3.48	42.50
1907	3.84	1.80	1.78	2.99	2.04	2.79	4.53	0.86	7.20	4.12	5.39	3.36	40.70
1908	2.71	3.47	2.18	1.87	4.21	0.86	3.21	4.85	0.72	3.52	1.11	2.43	31.14
1909	3.85	4.57	3.08	4.20	1.72	1.23	1.85	2.45	4.51	0.97	3.89	3.85	36.17
1910	4.34	3.85	1.41	2.07	1.40	4.11	1.95	2.72	2.22	1.89	3.22	1.66	30.84
1911	2.13	2.65	3.55	1.74	0.53	2 63	5.02	4.39	2.04	2.41	3.72	3.20	34.01
1912	2.46	2.14	5.28	3.17	4.01	0.09	5.13	2.18	2.57	1.72	2.15	3.20	34.10
1913	2.05	1.89	3.94	3.04	3.48	0.90	0.95	2.57	2.44	7.89	1.83	3.82	34.80
Av.	3.35	3.44	4.23	3.51	2.84	3.06	3.06	3.04	3.50	3.40	3.04	3.51	39.98

* Rainfall at Kenoza Lake.

RAINFALL AT HINGHAM, MASS. Elevation, 70 feet.
(Henry W. Cushing.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	...	...	...	...	...	...	...	...	1.40	3.80	5.72	2.47	...
1886	6.90	8.50	3.72	1.81	4.06	1.67	1.80	5.02	3.10	3.54	4.64	6.61	51.37
1887	7.34	5.00	5.12	4.62	2.49	3.49	5.22	3.62	1.24	2.98	2.46	4.67	48.25
1888	3.71	3.71	5.42	2.23	5.74	1.45	1.59	6.38	9.21	4.68	9.64	5.38	59.14
1889	7.43	2.28	2.82	4.13	3.37	3.57	7.52	4.45	4.67	5.13	6.11	2.47	53.95
1890	2.80	3.45	8.00	3.78	5.54	3.41	1.87	3.48	5.75	10.81	1.50	4.98	55.37
1891	7.58	5.98	5.78	3.12	1.90	4.37	3.21	4.73	2.27	6.22	2.94	3.59	51.69
1892	4.68	2.66	4.45	0.91	5.11	5.10	1.70	2.89	2.68	2.77	6.15	1.27	40.37
1893	1.88	6.76	2.90	2.96	4.73	2.35	2.32	5.33	2.02	3.10	2.50	5.11	41.96
1894	2.66	3.54	1.00	2.60	3.87	1.31	3.56	1.43	2.87	7.34	4.50	5.31	39.99
1895	3.23	1.20	3.10	4.47	3.50	1.27	4.99	4.93	2.09	7.04	7.11	3.67	46.60
1896	2.44	3.94	6.47	1.28	3.48	4.27	2.83	2.14	5.77	3.93	4.61	2.01	43.17
1897	3.61	2.31	2.58	3.26	4.41	3.22	4.11	5.24	2.51	0.79	7.17	3.79	43.00
1898	3.22	6.00	2.21	7.00	4.08	1.83	6.98	7.60	1.87	8.37	6.16	3.43	58.75
1899	3.87	4.67	6.84	1.04	1.14	2.84	4.41	0.98	8.52	3.97	1.72	1.35	41.35
1900	4.43	6.09	4.43	1.78	5.77	3.48	3.10	2.32	4.90	4.25	4.60	2.39	47.54
1901	2.65	1.12	6.91	7.73	7.04	1.25	9.43	2.75	3.97	3.62	3.35	9.08	58.90
1902	1.88	7.05	4.75	3.11	0.67	4.46	2.70	2.90	3.08	4.33	2.07	6.24	43.24
1903	3.69	4.54	7.69	6.49	0.24	4.54	3.66	4.28	1.17	5.76	1.74	2.85	46.65
1904	6.20	3.91	2.06	8.18	2.88	2.72	2.01	2.78	6.17	2.60	2.41	3.07	44.99
1905	3.84	1.65	2.93	2.68	1.04	4.78	2.63	2.70	4.91	1.57	2.04	5.06	35.83
1906	3.21	4.03	6.53	1.91	4.79	1.41	6.92	2.06	4.11	4.75	3.10	3.85	46.67
1907	3.21	3.20	1.57	4.56	3.17	3.02	1.78	1.68	10.43	2.99	6.86	5.66	48.13
1908	2.60	4.14	3.39	1.45	3.92	1.28	5.03	3.38	1.60	6.43	1.11	3.39	37.72
1909	5.34	4.98	3.76	5.09	2.38	2.98	0.77	3.63	4.95	1.56	5.51	2.95	43.90
1910	4.83	4.25	2.19	2.37	1.82	3.69	2.28	1.70	2.11	1.70	5.33	2.63	34.90
1911	2.89	3.21	3.54	2.86	0.42	3.70	5.53	6.07	3.24	3.01	6.16	3.25	43.88
1912	2.77	2.49	4.79	3.70	3.72	0.78	4.65	2.51	2.17	1.13	3.68	6.18	38.57
1913	3.42	2.86	5.03	6.20	2.30	2.31	2.48	2.68	2.41	7.81	2.42	3.66	43.58
Av.	4.01	4.05	4.29	3.62	3.34	2.88	3.75	3.56	3.92	4.36	4.20	4.07	46.05

RAINFALL AT HINGHAM, MASS. Elevation, 100 feet.
(Hingham Water Company.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	3.99	2.18	3.04	3.57	3.58	4.38	5.69	5.57	2.05	0.73	6.85	4.01	45.64
1898	3.13	7.16	2.64	7.38	4.55	1.71	6.73	8.46	2.17	9.21	6.34	2.98	62.46
1899	5.40	4.76	7.07	1.49	1.29	2.62	4.34	1.18	8.91	2.36	3.37	1.63	44.42
1900	4.84	6.73	4.77	1.90	5.81	3.55	3.41	2.18	4.96	4.19	5.29	2.75	50.38
1901	2.39	0.93	7.13	7.82	6.91	2.04	7.77	2.26	3.86	4.16	2.85	9.07	57.19
1902	1.99	6.92	5.12	3.31	1.21	4.16	2.64	2.75	2.82	4.82	1.79	6.35	43.88
1903	4.02	3.72	8.55	6.55	0.59	5.89	3.38	4.15	1.12	5.49	1.60	3.38	48.44
1904	5.97	3.91	2.76	8.69	3.41	3.10	2.35	3.06	6.00	2.85	2.16	2.62	46.88
1905	3.97	1.83	2.39	3.13	1.08	4.64	2.67	2.51	4.70	1.56	2.00	4.95	35.43
1906	3.17	3.76	7.13	2.34	4.71	2.78	6.36	1.64	3.77	5.10	3.07	4.37	48.20
1907	3.21	3.12	1.83	3.64	3.17	2.32	1.15	1.45	9.91	3.33	6.66	5.14	44.93
1908	2.94	4.18	3.43	1.69	3.98	1.24	5.15	3.64	1.78	5.97	1.13	3.35	38.48
1909	5.08	5.24	4.37	4.93	2.61	3.01	1.09	3.41	4.62	1.43	5.56	3.36	44.71
1910	4.38	4.20	1.93	2.52	1.69	4.16	2.32	1.33	2.02	1.61	5.27	2.58	34.01
1911	2.86	2.79	3.42	2.75	0.31	3.58	5.94	5.69	2.68	2.70	6.40	3.34	42.46
1912	4.25	2.62	5.07	3.78	3.92	0.35	4.57	2.88	1.42	1.41	3.61	6.28	40.16
1913	3.65	3.56	3.84	4.32	2.43	1.95	2.96	2.50	2.58	7.36	2.52	3.82	41.49
Av.	3.84	3.98	4.38	4.11	3.01	3.03	4.03	3.21	3.84	3.78	3.91	4.12	45.24

RAINFALL AT HOLDEN, MASS. Elevation, 750 feet.
(Jefferson, Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	3.95	3.03	3.92	2.18	4.84	4.95	8.48	2.71	1.70	1.00	8.03	6.87	51.66
1898	6.74	3.33	2.59	4.10	3.32	3.38	3.00	11.89	3.15	7.28	7.50	4.13	60.41
1899	2.92	5.08	6.90	2.13	1.28	7.37	4.82	3.40	3.84	2.84	1.93	2.12	44.63
1900	4.39	8.60	6.35	3.12	4.62	3.98	3.53	2.79	2.77	3.35	6.77	3.20	53.47
1901	1.91	1.39	6.02	9.44	7.33	2.25	5.55	4.92	2.93	3.96	2.32	9.35	57.37
1902	2.96	5.01	5.36	4.01	1.60	2.44	3.96	5.50	4.18	6.76	0.95	7.21	49.94
1903	2.84	4.20	6.85	2.95	1.27	9.01	3.07	3.89	3.24	3.83	2.52	4.27	47.94
1904	4.53	2.80	3.50	7.25	3.43	3.78	4.76	3.54	5.72	1.92	1.58	2.98	45.79
1905	5.93	1.73	4.27	2.39	0.82	5.74	3.83	3.16	6.64	1.93	2.87	4.09	43.40
1906	2.86	2.81	5.42	3.56	7.18	**5.95**	**5.52**	4.55	2.94	4.73	2.04	4.28	51.84
1907	2.95	2.37	1.87	3.04	3.14	3.49	3.09	1.37	9.70	6.51	6.02	4.82	48.37
1908	3.80	5.13	3.10	3.14	5.52	1.41	4.10	6.49	1.21	2.15	1.27	3.17	40.49
1909	4.14	6.29	4.57	5.66	2.31	3.22	5.29	4.22	4.13	2.03	1.89	4.41	48.16
1910	6.99	5.58	1.23	3.09	1.89	3.86	1.16	3.98	2.78	1.23	4.21	2.73	38.73
1911	3.19	2.63	4.11	2.42	1.91	2.24	2.70	5.83	3.08	5.79	4.11	3.06	41.07
1912	2.72	2.52	5.66	4.37	5.14	0.52	2.77	2.48	2.49	2.18	4.19	5.24	40.28
1913	3.52	2.60	6.28	3.96	4.09	1.27	3.67	3.26	5.93	6.42	2.64	3.13	46.77
Av.	3.90	3.83	4.59	3.93	3.51	3.81	4.08	4.35	3.91	3.76	3.58	4.42	47.67

RAINFALL AT HOLDEN, MASS. Elevation, 1 000 feet.
(Kettle Brook, Worcester Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1905	4.40	1.23	5.52	3 00	0.99	5.96	3.20	2.99	7.29	1.94	3.00	4.45	43.97
1906	2.48	3.31	3.18	2.70	7.07	3.47	6.81	5.29	2.78	3.65	2.45	3.68	46.87
1907	3.32	2.27	1.48	2.70	4.08	4.08	1.86	1.49	10.49	7.68	7.05	4.24	50.74
1908	3.96	4.68	3.25	2.38	6.10	1.98	5.90	6.99	1.99	4.12	1.39	2.01	44.75
1909	2.78	6.76	4.32	6.55	3.05	2.56	2.46	3.58	3.90	1.73	2.22	4.16	44.07
1910	6.59	4.55	1.43	3.68	1.56	4.04	1.88	4.02	3.13	1.07	4.77	1.82	38.54
1911	2.28	2.32	4.29	2.42	1.74	2.53	3.15	4.81	5.08	6.32	4.26	2.94	42.14
1912	2.33	2.78	5.97	5.12	5.52	0.68	3.38	4.41	2.00	2.05	4.93	4.83	44.00
1913	3.19	3.46	5.42	4.97	4.68	2.08	2.74	2.72	5.66	7.20	3.17	3.65	48.94
Av.	3.48	3.49	3.87	3.73	3.87	3.04	3.49	4.03	4.70	3.97	3.69	3.53	44.89

RAINFALL AT HOLDEN, MASS. Elevation, 750 feet.
(Holden Reservoir No. 1, Worcester Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	3.60	2.71	1.12	2.68	2.83	2.87	2.83	6.70	1.63	5.11	6.80	2.78	41.66
1886	6.83	7.15	3.66	1.58	2.99	2.03	4.28	4.87	3.62	2.50	5.33	3.00	47.84
1887	4.82	4.89	...	...	0.82	2.50	8.04	9.95	1.10	2.46	2.97	1.38	...
1888	3.60	4.35	6.23	3.00	4.27	2.93	2.25	5.79	8.85	6.97	3.27	5.89	57.40
1889	5.40	1.53	1.39	2.04	3.07	2.88	7.26	1.28	3.65	3.52	6.45	2.88	41.35
1890	2.68	3.94	3.15	1.26	4.93	2.93	3.50	6.29	5.97	9.78	1.26	3.33	49.02
1891	6.72	4.85	4.79	2.31	1.91	3.47	3.77	4.63	2.24	3.03	3.21	5.04	45.97
1892	4.89	1.74	2.08	0.19	6.21	2.49	5.13	6.68	1.50	0.58	5.58	0.43	37.50
1893	2.49	5.03	3.83	3.40	6.35	2.22	1.21	2.77	2.10	4.85	2.09	4.32	40.66
1894	3.02	2.98	1.22	3.17	4.37	0.15	2.36	1.15	2.58	3.37	2.90	2.92	30.19
1895	4.00	0.85	2.22	5.43	3.29	4.33	5.05	3.28	2.64	7.40	8.14	3.62	50.25
1896	1.30	3.77	7.47	0.65	3.02	2.70	4.83	2.24	7.73	3.15	3.06	1.68	41.60
1897	4.80	2.47	3.86	2.76	4.24	4.65	7.83	3.09	1.59	0.65	6.59	5.88	48.41
1898	4.39	4.18	2.21	3.54	2.99	2.65	2.32	9.53	3.17	6.03	6.76	2.66	50.43
1899	3.66	4.13	5.75	1.81	1.01	5.34	3.79	3.01	3.53	1.48	2.37	1.97	37.85
1900	4.15	8.76	7.24	2.69	4.04	3.37	5.19	2.47	2.45	4.44	7.12	1.94	53.86
1901	1.89	1.52	6.45	9.86	7.26	1.42	5.37	4.44	3.49	4.79	3.13	10.09	59.71
1902	2.84	2.57	6.68	4.12	1.94	2.61	3.69	3.65	3.96	6.18	0.97	7.11	46.32
1903	3.11	3.94	6.83	2.95	1.24	10.10	4.48	4.31	2.28	4.01	2.65	4.13	50.03
1904	4.38	2.68	3.41	7.35	2.52	3.60	4.00	4.06	4.83	2.13	1.54	2.60	43.10
1905	5.24	2.37	4.28	2.91	1.01	6.17	2.62	2.66	7.29	2.00	2.90	4.08	43.53
1906	2.76	2.93	5.41	3.20	5.88	3.72	7.79	2.93	2.76	4.37	2.59	3.81	48.15
1907	3.26	2.28	2.20	3.31	3.51	3.48	3.07	1.50	10.48	5.89	5.78	5.07	49.83
1908	2.98	5.01	3.34	2.40	4.33	1.72	4.91	6.47	1.52	1.92	1.05	3.34	38.99
1909	2.98	6.36	4.31	6.48	2.54	2.84	2.19	3.39	3.94	1.75	2.04	3.64	42.46
1910	5.77	3.98	1.46	3.61	1.75	2.48	1.82	4.39	3.19	1.29	4.23	2.66	36.63
1911	3.03	2.38	4.09	2.29	2.06	2.35	3.23	5.40	4.11	5.53	4.60	3.17	42.24
1912	2.34	2.67	6.31	5.28	5.76	0.48	3.37	3.93	2.30	2.01	5.03	5.12	44.60
1913	3.21	3.22	5.94	4.72	4.67	1.98	2.31	2.51	7.32	6.76	2.79	3.23	48.66
Av.	3.76	3.58	4.18	3.39	3.57	3.14	3.95	4.05	3.95	3.98	3.94	3.80	45.29

RAINFALL AT HOLYOKE, MASS. Elevation, 230 feet.
(Whiting Street Reservoir, Holyoke Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1907	2.51	2.40	2.00	2.64	4.80	3.47	3.76	1.38	9.78	5.27	4.83	4.04	46.88
1908	2.65	4.79	2.50	2.54	6.28	1.86	3.17	5.98	0.18	2.21	0.73	2.87	35.76
1909	2.99	5.59	3.77	5.86	2.84	2.62	1.58	4.64	4.40	1.07	2.31	3.75	41.42
1910	6.68	5.41	1.54	3.82	2.79	3.89	1.48	2.98	3.29	0.89	3.32	1.43	37.52
1911	1.95	1.85	3.72	1.74	1.15	2.40	6.10	6.40	3.77	8.40	3.12	3.13	43.73
1912	1.70	1.05	5.76	4.82	5.21	0.59	1.84	2.99	2.62	3.02	3.66	3 23	36.49
1913	3.20	2.28	5.89	3.23	5.58	0.61	1.10	2.77	3.07	6.10	2.39	2.45	38.67
Av.	3.34	3.10	3.60	3.52	4.09	2.20	2.72	3.88	3.87	3.85	2.91	2.99	40.07

RAINFALL AT HOLYOKE, MASS. Elevation, 450 feet.

(High Service Reservoir, Holyoke Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1907	3.01	2.08	1.90	1.88	3.56	3.61	1.91	1.23	8.66	5.85	4.90	3.92	42.51
1908	2.88	4.79	2.83	1.39	6.80	1.88	4.52	5.45	0.15	2.34	0.71	1.97	35.71
1909	3.25	5.29	3.63	6.21	2.71	2.08	1.63	4.97	3.94	1.30	2.81	3.40	41.22
1910	6.11	4.38	1.60	4.13	2.90	3.96	1.24	2.46	3.11	0.79	4.08	1.76	36.52
1911	2.27	1.72	3.64	2.26	0.87	3.06	5.71	6.52	3.83	8.73	3.31	2.97	44.89
1912	1.50	3.02	5.90	4.67	5.82	0.52	1.96	4.96	2.46	3.40	4.06	3.75	42.02
1913	3.03	2.30	6.24	3.22	5.34	1.06	1.16	2.14	2.43	6.62	2.41	2.60	38.55
Av.	3.15	3.37	3.68	3.39	4.00	2.31	2.59	3.96	3.51	4.15	3.18	2.91	40.20

RAINFALL AT HOLYOKE, MASS. Elevation, 330 feet.

(Ashley Pond, Holyoke Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1907	3.18	2.25	1.88	1.94	3.90	3.69	2.25	1.33	8.89	5.73	4.98	4.05	44.07
1908	3.04	4.74	3.02	1.55	1.82	2.15	4.74	5.57	0.18	2.37	0.83	2.75	32.76
1909	2.97	5.78	3.57	6.29	2.76	2.26	1.94	5.01	4.36	1.45	2.86	3.41	42.66
1910	6.40	4.50	1.70	3.94	3.06	3.84	1.24	2.41	3.31	0.87	4.03	1.79	37.09
1911	2.21	1.83	3.69	2.05	0.99	2.94	6.11	6.37	3.84	8.85	3.48	3.08	45.44
1912	1.48	3.08	6.00	4.80	5.27	0.48	1.89	5.22	2.46	2.96	3.99	4.13	41.76
1913	3.06	2.07	6.11	3.10	5.12	0.85	1.06	2.98	2.49	6.35	2.50	2.66	38.35
Av.	3.19	3.46	3.71	3.38	3.27	2.32	2.75	4.13	3.65	4.08	3.24	3.12	40.30

RAINFALL AT HOLYOKE, MASS. Elevation, 90 feet.

(Holyoke Water Power Co.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	...	...	...	...	...	...	15.77	5.91	1.58	0.65	6.81	5.27	...
1898	5.73	5.38	1.48	4.74	5.31	3.30	3.78	6.97	2.37	6.16	5.28	2.69	53.19
1899	3.70	2.47	6.84	3.46	1.64	4.12	6.54	1.08	4.48	2.06	2.78	2.22	41.39
1900	3.50	8.85	5.03	1.44	4.28	2.52	2.74	2.40	2.87	3.43	6.04	3.19	46.29
1901	1.96	0.63	6.18	7.72	7.12	1.17	3.28	6.94	2.97	3.89	1.63	7.29	50.78
1902	1.83	2.67	6.42	3.40	1.80	3.66	4.06	4.82	5.48	5.88	1.31	8.25	49.58
1903	3.16	4.59	6.55	2.57	1.30	8.13	3.53	6.35	2.09	2.91	2.25	3.80	47.23
1904	4.29	2.35	4.29	6.36	3.51	2.93	3.99	3.75	4.44	2.29	1.26	2.96	42.42
1905	4.85	1.60	3.89	2.72	0.84	3.61	2.21	5.09	6.72	1.86	2.14	3.68	39.21
1906	2.55	2.81	5.68	3.55	5.94	4.83	4.60	1.92	3.12	5.43	2.56	2.56	45.55
1907	4.29	2.58	1.96	2.67	3.85	3.34	3.16	1.17	9.43	5.52	4.66	4.31	46.94
1908	3.21	5.16	3.13	1.74	6.55	1.95	6.07	7.24	1.09	2.46	0.89	2.95	42.44
1909	4.07	6.10	3.77	6.06	3.06	2.10	2.00	4.66	4.37	1.28	2.89	3.51	43.87
1910	6.69	4.99	1.74	3.48	2.69	3.76	1.49	2.63	4.02	0.73	3.73	1.73	37.68
1911	2.25	1.78	3.41	2.15	0.53	2.54	8.76	5.80	4.54	8.94	3.58	2.98	47.26
1912	2.34	3.18	6.42	5.23	5.04	0.45	2.16	3.95	2.24	2.76	3.72	4.34	41.83
1913	2.94	2.69	6.02	3.68	5.04	0.75	0.96	3.45	2.59	6.41	2.16	2.99	39.68
Av.	3.58	3.61	4.55	3.81	3.66	3.07	3.71	4.26	3.93	3.88	2.93	3.72	44.71

RAINFALL AT IPSWICH, MASS. Elevation, 100 feet.

(Rev. Manasseh Cutler.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1782	...	...	...	...	...	...	...	...	0.70	3.13	4.53	3.60	....
1783	4.03	4.91	1.73	1.01	4.00	3.44	9.06	4.44	1.45	11.61	5.67	4.93	56.28

RAINFALL AT LAKE COCHITUATE, MASS. Elevation, 140 feet.

(Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1852	5.80	1.76	4.42	9.60	2.60	2.00	2.16	8.27	2.04	3.40	2.76	3.12	47.93
1853	3.68	6.56	2.92	3.80	6.32	0.56	2.84	7.20	5.44	4.56	5.26	6.59	55.73
1854	2.45	5.16	4.16	5.60	3.92	2.08	2.32	0.28	3.68	3.37	7.79	2.34	43.15
1855	4.52	3.50	1.91	2.65	0.82	1.98	3.86	0.77	0.75	4.16	4.84	5.20	34.96
1856	1.44	0.22	0.66	4.27	7.81	1.77	1.76	11.40	3.13	2.34	1.43	4.57	40.80
1857	2.51	1.30	1.72	10.23	7.15	4.02	8.85	6.62	4.27	7.06	3.07	6.30	63.10
1858	2.61	3.32	3.87	4.39	2.23	10.17	3.46	6.42	5.17	2.12	2.91	1.99	48.66
1859	5.64	2.91	10.95	1.37	3.46	3.16	0.99	7.69	4.56	0.33	3.55	4.41	49.02
1860	1.24	3.80	1.98	2.25	1.98	11.16	6.82	4.89	9.92	1.72	5.97	3.71	55.44
1861	2.51	3.81	2.75	6.44	3.12	2.64	1.62	7.79	2.76	3.20	6.20	2.60	45.44
1862	7.82	1.08	4.18	1.85	2.71	6.58	6.54	1.43	2.62	4.83	7.69	2.36	49.69
1863	4.10	4.38	3.57	11.34	2.66	1.98	14.12	5.61	3.39	4.56	8.54	5.05	69.30
1864	3.37	0.98	8.44	4.02	2.84	0.58	1.06	3.56	1.52	6.50	5.45	4.28	42.60
1865	4.99	4.45	5.48	2.18	8.25	0.91	3.10	3.36	1.66	6.99	4.78	3.31	49.46
1866	1.44	5.80	3.92	1.94	6.46	4.80	13.35	3.98	8.36	3.43	4.52	4.32	62.32
1867	2.76	5.40	5.65	2.43	6.46	2.95	5.36	12.36	1.08	7.27	2.63	1.90	56.25
1868	3.70	1.18	2.51	5.61	8.12	2.95	2.16	7.38	7.69	1.19	6.77	0.45	49.71
1869	3.71	7.07	7.52	2.57	7.59	3.68	2.63	2.34	8.49	9.50	3.26	5.98	64.34
1870	7.85	4.68	6.04	8.81	3.14	4.05	3.10	2.03	0.64	7.96	4.40	3.19	55.89
1871	1.31	2.30	5.02	2.29	5.66	5.96	2.20	3.56	1.46	5.38	7.01	3.24	45.39
1872	1.86	1.37	3.06	1.74	3.24	4.27	5.55	9.76	6.29	3.69	4.22	3.42	48.47
1873	4.24	2.43	3.98	2.69	3.24	0.38	4.08	7.17	2.62	6.11	4.54	3.95	45.43
1874	2.96	2.90	1.19	6.36	3.40	4.79	3.16	4.83	1.55	1.04	2.05	1.70	35.93
1875	2.42	3.15	3.74	3.23	3.56	6.24	3.57	5.53	3.43	4.85	4.83	0.94	45.49
1876	1.83	4.21	7.43	3.24	2.80	1.60	9.49	2.19	3.98	2.00	6.59	3.13	48.49
1877	3.19	0.53	7.79	3.24	3.73	2.64	2.77	3.35	0.46	8.14	6.94	1.02	43.80
1878	5.77	5.93	4.20	5.63	0.83	3.33	3.47	6.94	1.12	5.15	6.09	5.12	53.58
1879	2.00	3.05	3.90	4.69	1.20	4.14	3.38	6.43	1.74	0.90	2.98	3.60	38.01
1880	3.07	4.05	2.83	2.94	1.98	1.25	7.00	3.81	1.69	2.95	1.70	2.56	35.83
1881	5.56	4.43	4.79	1.71	3.18	4.83	2.78	1.13	2.13	2.87	3.85	3.83	41.09
1882	5.93	3.96	2.76	1.89	4.73	1.87	3.49	1.14	9.20	2.22	0.93	2.17	40.29
1883	2.88	3.59	1.76	2.27	3.95	1.81	2.88	0.39	1.31	5.16	2.06	3.14	31.20
1884	4.39	6.04	4.50	3.80	2.92	3.88	4.42	4.49	0.90	2.59	2.33	5.31	45.57
1885	5.25	3.98	1.09	3.71	3.46	2.96	1.73	7.01	1.63	5.26	5.26	2.32	43.66
1886	6.53	6.86	3.46	2.00	2.97	1.21	3.30	3.75	3.20	3.16	4.76	5.77	46.97
1887	5.29	5.34	5.10	4.45	1.02	2.58	3.77	3.70	1.28	2.49	2.76	3.80	41.58
1888	4.13	3.55	5.60	2.51	4.63	2.07	1.67	6.32	8.81	4.95	7.03	5.66	56.93
1889	5.46	1.56	2.28	3.19	3.64	3.17	9.10	4.57	4.92	3.85	5.79	2.70	50.23
1890	2.34	3.21	7.35	2.51	5.31	1.78	2.31	3.34	6.47	10.11	1.24	5.26	51.23
1891	6.67	5.02	5.49	3.62	1.67	3.78	2.99	4.91	2.12	4.14	2.84	3.17	46.42
1892	4.78	2.80	4.12	0.78	5.46	3.23	3.47	3.79	2.87	1.42	5.14	1.18	39.04
1893	2.61	7.26	3.13	3.21	5.45	2.75	2.40	5.86	1.76	3.74	2.08	5.03	45.28
1894	3.95	3.89	1.16	3.27	3.70	1.61	3.61	2.57	2.27	5.14	3.53	4.38	39.08

RAINFALL AT LAKE COCHITUATE, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	3.93	1.70	3.11	5.03	2.03	3.12	4.71	3.96	2.77	9.57	6.32	2.71	48.96
1896	2.43	6.70	5.20	1.60	2.27	3.04	2.22	2.43	8.21	3.53	3.00	2.15	42.78
1897	4.23	2 86	3.60	2.78	4.25	4.28	4.80	3.26	2.56	0.89	6.47	4.81	44.79
1898	6.83	4.29	2.54	5.07	3.07	2.08	3.55	7.08	3.03	6.82	6.91	3.44	54.71
1899	4.36	4.44	7.31	1.70	1.06	2.79	3.20	2.17	4.65	3.05	2.31	1.92	38.96
1900	4.96	8.59	5.82	2.24	4.77	3 02	2.65	3.58	3.84	3.65	5.52	2.67	51.31
1901	1.85	1.80	6.35	7.51	6.93	1.26	6.67	4.48	3.17	2.83	3.03	8.58	54.46
1902	2.11	6.67	5.04	3.66	1.24	2.42	3.53	3.39	4.91	4.05	1.37	6.22	44.61
1903	3.81	3.88	6.30	3.17	1.56	7.61	3.00	4.20	1.31	4.27	1.53	3.18	43.82
1904	4.75	3.11	2.78	8.68	2.14	2.86	1.80	3.32	6.78	1.66	1.84	2.39	42.11
1905	5.40	2.00	3.28	2.87	1.57	5.46	3.24	2.89	7.00	1.35	2.07	4.07	41.20
1906	2.66	2.59	6.47	2.60	4.98	3.44	3.04	2.37	2.84	3.26	2.50	4.68	41.43
1907	3.14	2.18	1.88	3.47	3.62	2.89	1.45	1.27	7.62	3.96	5.63	3.66	40.77
1908	3.33	4.30	3.62	1.80	4.58	0.82	3.91	3.98	0.77	2.37	0.85	2.70	33.03
1909	4.34	5.66	3.46	4.01	1.76	3.09	1.73	2.84	4.33	1.06	3.70	4.10	40.08
1910	5.11	5.16	0.77	2.71	1.33	4.51	2.23	1.58	2.50	1.80	4.16	2.61	34.47
1911	2.74	3.20	3.31	2.73	0.65	2.53	3.42	4.82	2.96	3.53	4.28	3.74	37.91
1912	3.10	2.51	6.38	4.16	5.23	0.47	2.87	2.26	1.82	2.99	3.24	4.96	39.99
1913	2.89	2.80	5.59	4.05	3.70	0.86	3.03	4.36	3.67	5.80	2.23	3.05	42.03
Av.	3.85	3.76	4.21	3.81	3.65	3.17	3.87	4.42	3.63	4.00	4.12	3.64	46.13

RAINFALL AT LAKEVILLE, MASS. Elevation, 60 feet.

(Assawompsett Pond, Taunton Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	3.61	2.58	1.35	3.66	4.31	0.99	1.37	1.22	3.26	7.16	4.29	4.76	38.56
1895	3.36	0.71	3.46	4.97	3.33	2.60	2.58	3.28	1.84	4.53	6.67	3.08	40.41
1896	2.08	4.02	5.98	1.05	2.96	3.95	2.22	4.43	8.77	4.42	3.67	2.37	45.92
1897	4.09	2.22	2.61	4.18	3.94	2.61	4.56	3.50	1.58	1.05	7.66	3.74	41.74
1898	4.10	6.38	2.68	5.44	5.25	1.34	5.15	6.67	2.30	9.39	6.29	2.21	57.20
1899	5.24	4.26	6.91	2.19	1.90	3.63	2.90	2.23	7.46	2.06	2.23	1.47	42.48
1900	5.17	7.56	5.42	2.16	6.87	2.67	3.06	2.43	5.08	3.97	4.87	2.19	51.45
1901	2.63	0.87	7.49	6.49	8.15	1.81	2.99	2.68	3.18	3.19	2.18	9.08	50.74
1902	2.31	4.58	7.29	2.17	2.98	4.96	2.00	1.61	3.07	5.38	1.44	6.59	44.38
1903	4.56	4.16	9.16	5.70	0.80	4.30	2.82	3.93	1.05	5.05	2.01	4.10	47.64
1904	4.66	4.16	2.61	9.68	2.39	4.07	2.92	3.61	4.03	2.01	2.41	3.28	45.83
1905	3.70	1.94	2.28	2.26	1.39	7.60	4.86	2.68	5.27	2.13	2.33	4.19	40.63
1906	3.25	4.49	6.11	2.68	4.30	3.30	5.49	1.43	3.27	3.22	3.10	2.81	43.45
1907	4.45	2.28	1.28	3.85	3.87	2.29	1.35	1.55	9.76	3.21	5.85	5.94	45.68
1908	3.74	4.53	3.60	1.69	3.81	2.07	3.18	4.79	1.11	6.67	1.14	4.31	40.64
1909	4.48	6.48	4.17	6.06	3.06	1.54	1.18	2.39	4.60	1.84	4.07	3.49	43.36
1910	5.42	4.20	1.81	2.01	2.84	5.21	3.41	1.96	1.99	1.98	4.72	2.94	38.49
1911	3.49	2.46	4.24	3.59	1.89	1.86	5.33	3.60	2.73	2.41	7.41	4.16	43.17
1912	4.20	3.44	8.55	3.41	4.53	0.28	2.17	3.49	1.13	1.40	4.71	5.52	42.83
1913	4.50	4.08	3.29	5.53	1 85	1.58	1.89	2.96	2.48	12.56	3.08	3 64	47.44
Av.	3.95	3.77	4.52	3.94	3.52	2.93	3.07	3.02	3.70	4.18	4.01	3.99	44.60

RAINFALL AT LAWRENCE, MASS. Elevation, 51 feet.

(1885–1913, Essex Company.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1856	2.15	2.13	1.03	3.78	6.24	2.73	2.40	18.12	6.53	4.30	4.33	4.96	58.70
1857	6.52	2.07	3.48	9.85	4.82	2.86	4.88	6.29	2.65	5.98	2.35	4.84	56.59
1858	2.79	1.80	2.47	3.09	3.39	4.90	3.99	4.86	4.05	3.30	1.70	5.02	41.36
1859	6.09	5.35	3.43	3.16	3.21	4.56	1.43	3.68	3.66	2.11	3.21	7.61	47.50
1860	1.12	2.58	1.06	0.76	2.02	3.77	5.51	3.71	6.74	2.13	2.81	2.60	34.81
1861	**5.08**	**2.71**	**4.62**	1.95	5.54	**1.89**	4.97	2.34	**2.07**	3.07	3.86	1.38	39.48
1862	5.43	2.20	3.85	**1.98**	**1.94**	3.31	4.61	2.74	2.40	**3.72**	5.36	1.20	38.74
1863	**3.98**	2.52	**4.82**	5.15	2.29	2.23	9.24	6.19	2.82	1.65	7.45	7.07	55.41
1864	2.55	0.98	6.99	6.43	2.27	1.38	1.34	3.70	1.73	3.86	3.88	3.96	39.07
1865	**3.80**	**3.51**	**4.26**	**2.02**	**6.01**	**2.20**	0.70	2.46	0.68	3.41	0.92	2.84	32.81
1866	0.75	4.43	3.70	0.85	4.65	2.71	4.67	2.41	4.76	1.79	4.13	3.16	38.01
1867	3.96	4.19	4.13	2.81	3.46	3.56	7.40	9.56	0.82	4.79	3.73	3.45	51.86
1868	3.06	1.46	**3.19**	5.08	9.22	2.67	1.41	4.45	13.42	1.66	6.69	0.68	52.99
1869	2.81	2.51	7.43	1.80	5.09	5.17	2.92	2.11	5.71	8.21	2.34	4.21	50.31
1870	6.98	5.36	5.72	7.44	1.49	3.49	1.55	3.64	**2.27**	4.35	3.62	3.03	48.94
1871	2.91	1.65	4.02	2.78	3.73	5.21	3.35	5.39	1.18	4.82	4.14	3.00	42.18
1872	1.18	0.25	2.94	2.47	3.76	5.88	5.47	8.31	4.59	3.30	1.39	3.93	43.47
1873	4.46	1.97	2.45	2.52	3.11	1.00	5.17	3.84	3.41	5.63	3.96	1.89	39.41
1874	3.29	2.81	1.37	6.43	4.51	3.34	4.61	9.21	1.36	1.50	1.82	2.67	42.92
1875	3.83	3.03	5.29	2.58	3.12	4.69	2.36	4.06	3.13	4.65	5.16	1.07	42.97
1876	2.01	4.15	7.11	3.52	4.87	2.14	5.67	0.30	4.22	3.02	4.71	2.24	43.96
1877	2.72	1.00	6.86	3.15	2.84	1.55	3.25	7.00	0.25	6.36	6.82	1.70	43.50
1878	5.27	4.78	3.38	6.19	0.39	3.92	2.59	4.81	1.61	4.84	5.50	4.77	48.05
1879	2.21	2.86	3.17	4.07	2.08	4.70	4.83	5.94	1.92	1.23	3.06	3.62	39.69
1880	4.89	3.21	3.23	2.23	1.77	3.38	5.56	2.51	1.45	2.49	1.98	2.68	35.38
1881	7.20	6.33	7.78	3.12	**4.03**	**4.87**	**2.81**	**1.84**	**3.01**	**2.10**	**4.36**	**4.01**	51.46
1882	**4.58**	**5.10**	**3.11**	**1.77**	**5.11**	**3.18**	**1.70**	**0.93**	**7.85**	**2.39**	**1.27**	**2.42**	39.41
1883	**3.16**	**3.63**	**2.03**	**2.29**	**4.92**	**2.47**	**4.06**	**1.21**	**1.67**	**5.58**	**1.86**	**3.21**	36.09
1884	**4.88**	**5.64**	**4.84**	**3.94**	**4.06**	**3.33**	**3.59**	**4.11**	**1.12**	**2.18**	**2.46**	**5.23**	45.38
1885	4.56	3.77	1.87	3.91	4.10	3.57	2.43	6.43	1.72	4.67	5.34	2.75	45.12
1886	6.03	6.19	3.03	1.59	3.66	1.95	3.58	2.80	4.06	2.40	4.91	4.02	44.22
1887	5.75	4.82	4.46	3.84	1.72	2.23	3.67	10.23	3.26	2.93	3.25	4.04	50.20
1888	4.45	4.04	4.94	3.44	4.24	2.49	2.82	4.24	7.74	5.92	6.16	4.77	55.25
1889	5.21	1.65	2.06	4.12	4.33	3.43	7.04	3.00	3.32	4.21	6.48	3.22	48.07
1890	2.58	3.50	6.51	1.80	5.54	3.71	2.62	5.03	4.13	8.68	1.63	4.96	50.69
1891	6.11	4.54	5.10	3.28	2.48	3.30	3.20	2.01	1.47	2.96	2.29	3.20	39.94
1892	4.45	2.18	2.74	0.60	5.83	3.87	1.24	3.47	2.37	1.45	5.74	1.04	34.98
1893	2.01	5.24	2.19	2.84	5.55	2.74	3.48	4.69	1.81	3.76	1.82	5.84	41.97
1894	3.00	3.10	1.14	2.02	4.00	0.54	4.01	0.83	2.80	3.79	2.73	3.15	31.11
1895	2.26	0.99	2.77	4.94	1.55	2.93	3.21	2.49	1.98	6.10	6.86	2.41	38.49
1896	1.61	4.57	6.57	1.09	2.43	1.77	3.32	2.86	6.92	2.65	2.81	1.74	38.34
1897	4.22	2.66	3.75	2.06	4.84	5.38	3.02	3.29	2.48	0.30	6.05	3.72	41.77
1898	4.71	4.92	1.41	4.93	3.52	2.68	2.74	7.56	2.67	7.08	4.63	2.58	49.43
1899	3.88	2.64	6.41	1.95	1.62	2.40	4.46	2.04	3.98	1.99	1.99	1.51	34.87
1900	5.10	8.17	5.53	1.79	3.90	2.52	2.08	3.54	3.39	2.73	4.42	2.41	45.58
1901	1.40	0.25	4.98	7.95	6.42	1.46	4.15	2.28	2.63	2.63	2.60	8.68	45.43
1902	2.24	3.06	6.66	5.39	2.41	2.50	5.09	4.77	3.77	4.29	0.78	5.92	46.88
1903	3.31	3.62	5.39	3.42	0.64	7.53	2.95	3.09	1.24	2.93	1.33	2.64	38.09
1904	3.91	2.66	2.63	7.22	2.55	3.79	3.18	2.88	5.60	1.09	1.35	1.97	38.83
1905	4.48	1.46	2.98	2.05	1.20	5.96	1.27	2.81	6.61	1.01	2.11	3.38	35.32

RAINFALL AT LAWRENCE, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	2.57	2.27	5.77	2.97	4.79	4.63	4.90	1.66	1.44	2.11	2.68	4.00	39.79
1907	2.37	1.77	1.97	2.80	2.10	2.26	4.64	0.66	5.56	4.10	5.46	3.56	37.25
1908	2.67	4.41	2.35	1.57	3.23	0.67	6.33	4.46	0.52	2.53	1.04	3.07	32.85
1909	4.03	4.77	3.53	4.23	1.93	1.45	2.62	1.80	4.01	1.02	3.46	3.68	36.53
1910	4.00	4.56	1.32	2.56	1.32	2.99	2.19	2.67	1.83	1.56	2.73	2.04	29.77
1911	2.52	2.80	3.64	1.89	0.30	1.52	3.19	5.56	2.10	2.93	3.68	3.60	33.73
1912	2.94	2.44	5.68	3.99	4.24	0.25	3.92	2.66	2.21	1.99	3.14	4.53	37.99
1913	2.34	3.03	4.87	3.22	4.21	2.18	1.09	2.44	2.41	6.89	2.13	3.38	38.19
Av.	3.70	3.28	3.96	3.39	3.53	3.10	3.63	4.10	3.29	3.47	3.53	3.45	42.43

RAINFALL AT LAWRENCE EXPERIMENT STATION. Elevation, 45 feet.
(State Board of Health.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	4.50	1.21	2.95	8.86	2.65	3.89	3.23	3.19	6.71	1.63	1.85	2.35	43.02
1905	4.93	1.87	3.35	2.49	1.40	7.37	1.44	3.00	6.33	1.11	2.14	3.66	39.09
1906	2.58	2.54	6.14	2.98	5.62	5.58	4.70	1.85	1.58	2.33	3.56	4.31	43.77
1907	2.50	2.23	2.23	3.82	2.29	3.50	4.62	0.80	8.28	4.21	6.80	4.17	45.45
1908	3.42	5.14	2.58	2.02	3.56	0.83	6.36	4.95	0.56	3.53	1.19	3.10	37.24
1909	4.51	5.14	3.56	5.44	1.78	1.65	2.65	2.57	4.26	0.95	3.81	4.06	40.38
1910	4.57	5.96	0.87	2.60	1.66	4.54	2.08	3.24	2.10	2.14	3.82	2.00	35.58
1911	2.48	2.54	3.53	1.58	0.19	2.68	4.12	5.38	1.99	2.71	3.84	3.48	34.52
1912	2.73	2.46	5.60	3.88	3.85	0.22	3.56	2.31	2.17	1.97	2.98	4.57	36.30
1913	2.06	2.87	3.89	3.34	4.19	2.01	1.08	2.49	2.31	6.89	1.82	3.35	36.30
Av.	3.43	3.20	3.47	3.70	2.72	3.23	3.38	2.98	3.63	2.75	3.18	3.50	39.17

RAINFALL AT LEICESTER, MASS. Elevation, 800 feet.
(Lynde Brook Reservoir, Worcester Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1875	2.85	3.62	3.10	2.36	2.44	3.77	4.92	8.04	3.78	5.78	4.79	1.09	46.54
1876	2.24	4.25	7.82	2.91	5.87	1.55	6.97	1.52	3.91	1.81	3.88	2.64	45.37
1877	1.79	0.37	7.03	1.99	1.90	2.14	3.84	4.04	0.48	8.42	7.07	1.26	40.33
1878	4.91	3.35	3.89	6.11	1.36	4.30	2.77	3.88	1.20	4.16	6.05	5.82	47.80
1879	1.34	3.40	3.22	3.67	1.64	3.06	3.88	5.29	1.72	0.95	2.37	3.95	34.49
1880	2.99	2.76	2.41	2.75	1.86	2.62	8.80	4.07	2.07	3.85	1.77	2.32	38.27
1881	3.61	4.71	5.46	1.67	4.43	4.58	2.88	2.04	2.50	3.20	3.77	4.46	43.31
1882	3.12	2.87	2.87	1.47	5.09	2.35	1.25	0.94	9.24	2.18	0.85	1.94	34.17
1883	2.24	3.61	1.46	1.60	4.85	2.90	2.99	1.12	1.57	4.97	1.51	1.76	30.58
1884	4.89	5.06	4.91	3.55	2.94	2.91	3.73	3.59	0.84	2.15	2.11	4.88	41.56
1885	3.66	3.19	0.74	2.60	2.82	2.37	2.73	6.95	1.60	5.11	5.86	3.09	40.72
1886	3.64	5.53	3.36	2.67	2.70	1.96	3.76	4.39	4.02	2.77	5.16	2.63	42.59
1887	3.68	4.28	4.28	2.66	1.20	2.65	7.30	6.83	1.32	2.78	2.87	3.48	43.33
1888	3.87	3.92	3.78	2.74	4.26	2.41	2.21	5.62	7.39	6.53	5.57	6.15	54.45
1889	4.99	1.73	1.35	3.32	2.82	2.28	8.28	3.44	3.41	4.82	6.31	2.63	45.38
1890	2.70	3.49	4.64	2.35	5.37	2.65	3.60	6.56	5.68	9.89	1.23	3.27	51.43
1891	6.98	4.18	4.89	2.40	1.88	2.73	3.47	5.36	2.42	2.86	2.13	4.52	43.82
1892	4.54	1.75	2.59	0.58	6.56	2.40	4.80	6.51	1.31	0.63	5.60	0.93	38.20
1893	2.71	4.67	4.23	3.64	6.52	2.68	1.28	3.53	2.07	4.65	2.09	4.45	42.52
1894	2.45	2.16	1.50	2.56	5.01	0.69	2.67	1.49	2.97	4.11	2.82	2.95	31.38
1895	3.64	0.47	2.58	4.54	2.37	3.81	6.00	5.67	2.51	7.43	7.85	2.96	49.83
1896	1.59	4.27	7.68	0.97	2.45	2.76	4.04	3.17	6.48	3.53	2.79	1.32	41.05

RAINFALL AT LEICESTER, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	4.42	2.29	3.60	3.04	4.22	4.05	6.42	3.51	1.49	0.62	6.20	5.84	45.70
1898	4.04	3.18	1.63	3.40	3.25	2.64	2.66	10.04	3.10	6.60	4.47	2.67	47.68
1899	4.21	2.78	6.23	1.81	1.06	4.81	3.60	2.91	4.06	1.46	2.64	1.85	37.51
1900	4.18	8.21	7.03	2.58	3.69	3.83	3.96	2.74	2.36	3.40	5.70	2.84	50.52
1901	1.72	0.88	6.12	9.26	6.54	0.96	4.26	4.02	3.20	4.14	2.21	9.12	52.43
1902	2.70	2.58	7.46	4.56	1.53	2.65	6.01	3.02	4.00	6.20	0.99	7 32	49.02
1903	3.43	4.46	6.70	3.11	0.84	10.48	4.67	4.56	2.06	3.57	2.42	4.09	50.39
1904	4.36	2.64	3.34	7.69	2.76	2.91	4.27	4.29	4.95	2.06	1.58	3.14	43.99
1905	5.63	2.08	3.88	2.00	1.04	5.80	3.03	2.76	6.69	1.74	2.39	3.82	40.86
1906	2.68	2.78	5.94	3.32	6.02	3.22	6.63	2.13	3.32	4.49	3.06	2.70	46.29
1907	4.26	1.78	1.74	3.29	2.99	3.62	2.68	1.06	10.56	5.08	6.29	5.02	48.37
1908	3.33	5.18	3.60	1.56	6.51	1.55	4.66	7.50	1.36	2.04	0 87	2.99	41.15
1909	3.23	6.27	4.27	6.04	2.48	2.26	1.25	3.24	3.69	1.27	2.27	3.82	40.09
1910	6.05	4.73	1.43	3.22	1.51	3.85	1.79	3.98	3.22	1.17	4.49	2 24	37.68
1911	2.65	2.80	3.72	2.64	1.54	2.51	2.63	5.15	4.10	5.48	4.18	2.94	40.34
1912	2.55	2.93	6.23	4.78	5.25	0.31	2.67	3.71	1.85	1.91	4.45	4.43	41.07
1913	3.13	3.31	5.66	4.90	4.34	1.18	1.75	2.56	5.41	6.57	3.07	3.50	45.38
Av.	3.51	3.40	4.16	3.24	3.38	2.98	3.98	4.14	3.43	3.86	3.63	3.51	43.22

RAINFALL AT LEOMINSTER, MASS. Elevation, 500 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	4.70	3.12	1.01	3.02	3.35	1.62	3.52	9.23	1.54	4.11	5.41	3.06	43.69
1886	4.99	5.35	2.97	2.38	3.68	1.70	4.26	3.53	4.95	2.89	5.43	3.59	45.72
1887	4.94	4.88	4.15	4.31	2.58	2.86	6.40	8.49	2.55	2.20	3.52	3.99	50.87
1888	3.95	4.41	5.41	3.68	3.92	4.31	2.67	4 94	10.57	6.05	5.92	5.38	61.21
1889	4.99	1.72	1.67	2.97	4.31	2.42	8.03	3.68	3.05	5.39	6.45	3.54	48.22
1890	2.98	3.91	6.10	2.22	5.43	2.66	4.62	6.05	6.34	8.83	1.56	3.48	54.18
1891	6.97	3.69	5.57	3.34	2.34	4.58	4.30	1.95	2.08	3.41	2.64	3.97	44.84
1892	4.91	2.52	3.10	0.63	6.15	4.55	2.93	6.56	1.76	0 89	5.30	0.87	40.17
1893	2.76	6 53	3.19	3.07	7.31	3.60	1.82	5.18	1.76	4.68	2.31	4.81	47.02
1894	2.37	2.84	1.15	2.98	3.82	0.91	2.34	0.60	3.99	4.24	3.45	2.73	31.42
1895	3.36	0.87	2.69	4.34	2.16	**3.46**	**6.60**	1.62	2.25	6.71	6.24	3.88	44.18
1896	1.63	5.89	6.16	1.21	2.16	2.49	3.28	2.70	7.18	3.27	2.95	1.59	40.51
1897	3.41	2.63	4.08	2.28	5.22	5.35	9.96	3.11	2.27	0.91	7.29	5.73	52.24
1898	5.63	3.90	1.26	4 42	3.74	2.69	3.03	9.30	4.83	7.25	5.90	3.02	54.97
1899	3.17	3.38	6.35	1.59	1.54	4.18	3.61	3.25	4.49	2.00	2.07	1.61	37.24
1900	4.27	9 03	6.38	2.26	4.13	2.85	2.74	3.53	3.88	3.44	6.11	3.03	51.65
1901	1.94	0.77	5.43	9.13	7.32	2.08	6.31	3.69	2.28	3.15	1.86	8.81	52.77
1902	1.96	4.08	5.13	4.39	2.84	1.95	3.28	4.34	3.76	6.54	0.65	4.90	43.82
1903	2.67	4.32	5.86	3.05	1.33	9.89	3.47	3.22	2.55	4.30	2.20	2.53	45.39
1904	3.80	2.01	3.32	8.05	3.43	3.27	2.41	4.11	5.50	1.51	1.27	2.54	41.22
1905	5.36	1.31	3.56	2.14	1.08	4.84	5.31	6.49	6.50	1.96	2.12	3.49	44.16
1906	2.39	**2.27**	4.42	2.69	6.38	4.67	5.61	3.19	1.64	3.64	2.30	4.63	43.83
1907	2.50	1.81	1.84	2.56	2.64	4.87	3.11	1.21	10.13	4.87	5.32	3.72	44.58
1908	3.16	4.66	2.61	1.67	6.37	1.68	2.70	6.61	0.96	2.28	1.02	3.06	36.78
1909	3.65	6.62	4.15	5.34	2.82	3.60	3.36	3.15	4.12	1.49	2.01	3.79	44.10
1910	5.72	4.76	1.29	3.08	1.84	5.31	1.65	4.09	2.95	1.35	3.77	1.94	37.75
1911	2.70	2.35	3.86	2.04	0.86	2.84	2.33	4.97	2.43	5.50	3.84	3.37	37.09
1912	2.43	2.38	5.67	3.96	5.12	0.27	3.44	2.96	3.01	2.77	4.00	3.79	39.80
1913	2.83	2.70	5.32	3.16	3.58	0.62	1.69	3.17	3.51	5.73	2.46	3.38	38.15
Av.	3.66	3.61	3.92	3.31	3.71	3.31	3.96	4.31	3.89	3.84	3.63	3.59	44.74

RAINFALL AT LINCOLN, MASS. Elevation, 250 feet.

(Lincoln Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	2.17	1.33	4.10	2.23	3.78	3.04	3.75	3.34	2.23	1.60	2.38	3.56	33.51
1907	1.78	1.03	1.65	2.23	2.27	2.29	1.98	0.38	7.82	4.12	4.84	3.18	33.57
1908	2.75	4.43	2.55	2.43	3.67	1.37	1.75	4.17	0.00	0.85	0.34	2.39	26.70
1909	2.44	4.24	3.03	4.16	1.56	3.01	2.68	1.39	3.42	0.98	2.34	4.12	33.37
1910	4.60	3.52	1.22	2.23	1.01	3.53	1.20	3.47	1.82	0.44	3.48	1.92	28.44
1911	2.42	1.96	3.25	2.01	0.10	3.19	2.94	4.06	3.82	3.09	4.25	2.83	33.92
1912	2.05	2.35	5.66	3.27	5.16	0.20	2.84	2.43	1.86	2.82	3.78	4.32	36.74
1913	2.73	1.50	6.11	3.75	3.85	1.13	1.93	3.52	3.02	6.70	0.81	4.14	39.19
Av.	2.62	2.55	3.45	2.78	2.67	2.22	2.38	2.84	3.00	2.58	2.78	3.31	33.18

RAINFALL AT LINCOLN, MASS. Elevation, 187 feet.

(Baker's Bridge.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	1.79	1.98	4.12	2.74	5.15	3.08	4.63	3.57	2.50	2.43	**2.38**	2.54	36.91
1907	3.36	1.12	1.33	2.35	3.10	2.84	2.01	1.22	8.99	3.97	5.54	3.32	39.15
1908	2.18	3.29	2.37	1.77	5.79	0.83	3.96	3.96	0.71	2.27	0.89	2.27	30.29
1909	5.05	3.78	**3.03**	4.47	1.77	3.70	3.12	3.08	4.77	1.16	2.95	2.76	39.64
1910	3.27	3.25	1.27	2.48	1.09	3.80	1.73	1.99	2.83	0.94	3.33	1.80	27.78
1911	2.31	1.88	2.95	1.85	1.15	3.90	3.71	4.20	4.03	3.32	4.14	3.83	37.27
1912	2.24	2.29	5.52	4.22	4.60	0.10	3.44	2.55	1.69	2.60	2.91	4.14	36.30
1913	2.46	3.48	4.95	4.11	4.02	1.13	2.77	3.12	3.50	5.00	2.44	2.66	39.64
Av.	2.83	2.63	3.19	3.00	3.34	2.42	3.17	2.96	3.63	2.71	3.07	2.92	35.87

RAINFALL AT LOWELL, MASS. Elevation, 100 feet.

(Proprietors Locks and Canals.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1855	8.39	5.51	1.30	4.99	1.06	3.84	4.76	2.42	0.48	5.89	4.21	5.55	48.40
1856	3.51	1.26	1.37	3.49	5.89	2.18	1.86	12.42	4.78	2.52	2.53	4.16	45.97
1857	3.42	3.45	2.75	8.77	3.76	2.99	5.35	5.33	3.01	5.77	2.40	5.04	52.04
1858	2.58	1.78	1.52	4.21	3.53	5.40	3.24	3.42	3.58	3.10	1.26	4.11	37.73
1859	4.99	3.80	6.66	2.90	3.43	6.18	1.20	3.43	3.94	2.18	3.08	6.61	48.40
1860	0.80	2.44	2.14	1.09	1.85	4.84	6.55	4.30	9.96	2.50	3.71	6.49	46.67
1861	5.15	2.53	4.57	4.39	4.06	1.94	3.09	4.77	2.04	3.79	3.62	3.00	42.95
1862	6.02	2.68	5.20	2.22	1.90	5.77	5.20	2.55	2.18	3.52	5.08	2.29	44.61
1863	4.03	3.20	4.96	6.75	1.96	1.61	10.23	6.66	2.90	3.98	6.31	5.22	57.81
1864	2.64	0.98	8.42	3.59	2.81	1.07	1.82	3.54	2.90	3.84	4.10	4.94	40.65
1865	3.99	3.73	4.29	2.24	6.32	1.86	1.87	2.79	0.56	5.16	3.05	2.97	38.83
1866	1.92	4.70	3.60	2.85	4.48	2.66	5.56	3.68	3.81	1.64	2.71	3.74	41.35
1867	4.66	3.85	5.09	2.65	3.74	3.26	4.62	9.66	0.49	3.37	2.72	1.75	45.86
1868	3.51	1.20	3.35	5.57	9.03	4.45	0.86	2.84	11.63	0.97	4.70	1.45	49.56
1869	3.23	6.02	5.64	1.48	5.42	4.44	1.29	1.58	4.83	6.88	2.68	5.47	48.96
1870	7.09	4.86	5.79	6.48	2.05	4.44	1.98	3.40	1.52	5.08	2.89	3.13	48.71
1871	1.92	2.72	3.78	3.35	3.94	4.67	3.38	5.45	1.13	4.36	6.91	2.55	44.16

RAINFALL AT LOWELL, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1872	2.09	2.41	3.77	1.75	3.37	5.72	3.51	9.46	4.32	3.29	4.74	4.24	48.67
1873	5.21	3.38	3.90	2.97	3.72	0.37	3.78	4.01	4.31	4.52	5.01	3.87	45.05
1874	3.82	3.07	1.35	6.75	3.75	3.01	6.29	6.79	1.72	1.32	2.60	1.28	41.75
1875	3.02	3.22	4.87	3.48	3.26	4 59	2.63	4.65	3.33	5.14	4.41	1.03	43.63
1876	2.11	4.59	8.12	4.78	3.13	2.79	7.11	0.27	4.18	1.84	4.22	4.32	47.46
1877	2.95	0.89	6.45	4.03	3.08	2.34	2.81	4.76	0.25	6.27	6.79	0.75	41.37
1878	5.28	5.31	4.35	8.14	0.59	3.05	2.19	10.77	0.89	5.38	6.71	5.92	58.58
1879	2.48	3.76	5.01	4.03	2.28	5.71	4.38	6.18	2.17	1.43	3.36	4.46	45.25
1880	4.36	3.94	3.00	2.38	2.68	1.70	6.52	3.16	1.54	2.82	1.84	2.58	36.52
1881	5.34	3.15	7.21	1.86	4.27	4.90	2.50	1.73	2.73	1.96	4.28	4.25	44.18
1882	4.53	5.77	3.02	1.67	4.90	2.79	1.68	0.98	7.31	2.31	1.01	2.03	38.00
1883	2.93	3.40	1.88	1.90	4.64	2.04	3.58	0.91	1.49	5.29	1.73	2.62	32.41
1884	4.94	5.70	5.01	4.11	3.68	3.06	3.20	3.98	0.92	1.94	2.33	5.15	44.02
1885	4.86	4.10	1.02	3.61	3.59	4.29	6.03	6.10	1.58	4.84	5.18	2.81	48.01
1886	6.76	6.54	3.39	1.97	3.59	1.86	3.51	3.13	3.96	2.78	4.90	4.45	46.84
1887	5.72	5.18	4.74	4.05	1.64	2.61	5.42	10.93	2.23	3.12	3.27	4.55	53.46
1888	4.66	4.31	6.52	3.78	3.89	2.81	3.06	4.86	7.97	6.78	5.98	5.31	59.93
1889	5.04	1.71	1.99	3.63	3.89	2.59	6.10	3.98	3.27	4.27	6.93	3.37	46.77
1890	2.77	3.77	6.83	1.99	5.67	3.53	3.45	4.87	4.46	7.71	1.58	4.47	51.10
1891	7.04	4.84	6.00	3.56	2.29	3.66	3.17	2.14	1.79	2.93	1.92	3.20	42.54
1892	5.39	2.74	3.24	0.63	5.86	4.44	2.32	4.30	1.97	1.38	5.83	1.11	39.21
1893	2.39	7.71	2.44	2.95	6.66	2.41	2.76	3.94	2.29	3.82	1.93	5.46	44.76
1894	3.35	3.50	1.27	3.76	4.36	0.37	3.00	0.92	3.03	3.46	3.52	3.84	34.38
1895	3.30	1.47	2.66	4.57	1.68	2.63	2.66	2.02	2.23	6.67	8.16	2.68	40.73
1896	2.24	4.95	6.53	1.34	2.32	2.68	3.79	2.76	9.69	3.00	3.02	2.13	44.45
1897	4.35	2.96	4.15	2.25	4.94	6.11	4.62	5.63	3.04	0.59	6.49	5.32	50.45
1898	4.52	7.05	1.65	5.20	3.04	3.65	2.93	8.23	1.97	6.85	6.45	2.74	54.28
1899	4.37	5.02	7.95	1.50	2.10	2.71	4.12	2.11	3.66	1.99	2.71	1.68	39.92
1900	5.45	10.12	6.57	2.16	3.78	2.71	2.65	3.73	4.20	3.33	6.18	3.01	53.89
1901	1.72	1.06	5.76	10.57	7.68	1.49	4.78	3.27	3.28	3.43	2.79	8.55	54.38
1902	2.27	6.16	5.28	5.47	2.37	2.11	3.56	5.16	6.29	5.29	0.86	6.29	51.11
1903	3.39	3.96	5.90	3.69	0.82	9.18	2.62	3.68	1.74	4.46	1.53	3.01	43.98
1904	4.54	2.48	2.65	9.32	2.98	4.00	1.83	3.21	5.51	1.28	1.51	2.33	41.64
1905	6.96	1.70	3.71	2.15	1.29	5.18	0.59	4.50	6.39	1.33	2.25	3.86	39.91
1906	2.43	2.59	5.97	3.00	6.00	4.80	5.95	3.47	1.43	2.38	3.08	4.22	45.32
1907	2.77	2.39	2.15	3.64	2.58	3.03	4.37	1.36	8.52	4.49	5.77	4.43	45.50
1908	3.20	4.96	2.71	1.95	4.18	0.93	3.04	4.29	0.34	2.57	1.14	3.03	32.34
1909	4.17	5.79	3.51	5.53	3.11	2.13	2.52	2.46	4.21	1.20	2.65	4.08	41.36
1910	4.41	5.87	0.74	2.57	1.31	4.37	1.93	3.21	2.04	1.18	3.47	2.15	33.25
1911	2.66	2.88	3.51	1.99	0.81	2.47	3.35	5.75	2.59	3.42	3.57	3.53	36.53
1912	2.90	2.63	5.51	3.92	5.09	0.28	5.51	2.23	2.33	2.23	3.09	4.37	40.09
1913	2.72	2.80	5.00	3.01	3.49	2.13	1.21	2.87	3.72	6.77	2.18	3.59	39.49
Av.	3.95	3.81	4.20	3.71	3.55	3.30	3.62	4.25	3.40	3.59	3.71	3.74	44.83

RAINFALL AT LOWELL, MASS. Elevation, 80 feet.

(Merrimack Manufacturing Co.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1826	1.56	1.00	3.75	1.27	1.80	3.51	1.77	7.00	3.13	2.80	2.34	2.57	32.50
1827	1.63	2.56	3.27	5.11	5.14	3.86	3.72	3.39	7.09	6.07	6.21	3.81	51.86
1828	2.16	2.94	1.48	2.32	7.19	3.15	4.73	1.06	3.70	2.51	6.11	0.33	37.68
1829	4.52	3.68	3.83	4.34	3.25	1.53	2.48	2.16	2.02	0.87	5.81	2.45	36.94
1830	2.45	0.61	3.33	1.95	2.52	4.46	5.72	3 60	3.81	2.26	5.92	5.96	42.59
1831	3.19	4.56	3.93	8.16	3.99	3.41	3.72	4.38	5.89	4.29	3.78	2.43	51.73
1832	4.84	2.85	3.78	4.18	6.96	1.15	4.61	9.90	2.29	3.84	4.31	4.19	52.90
1833	2.00	1.30	3.54	3.34	2.96	4.49	5.23	2 37	3.09	7.00	3.80	4.76	43.88
1834	1.34	1.15	1.03	2.13	5.91	3.99	4.85	0.95	1.95	4.20	2.16	2.12	31.78
1835	4.89	1.09	2.29	4.11	2.59	1.93	4.89	2.36	1.56	3.58	1.15	1.98	32.42
1836	2.31	0.93	0.72	1.89	1.61	2.89	8.60	1.71	1.40	2.98	5.12	5.38	35.54
1837	0.34	1.81	2.26	4.02	7.27	5.12	1.49	2.41	0.93	1.55	1.57	2.09	30.86
1838	2.63	0.00	2.88	2 72	3.41	3.88	2.03	3.50	6.35	4.78	4.46	0.88	37.52
1839	1.24	2.31	1.16	5.67	3.28	4.30	4.24	4.92	1 91	2.17	2.26	4.76	38.22
1840	0.92	2.15	4.15	4.63	1.95	1.82	1.68	6.89	2.72	3.70	7.21	0.88	38.70
1841	4.10	2.00	1.76	7.13	2.70	2.39	1.46	3.93	4.06	3.10	3.28	4.47	40.38
1842	0.97	3.99	2.89	2.87	2.38	5.19	1.03	5.43	4.31	1.36	4.95	3.24	38.61
1843	2.14	2.04	5.44	3.14	2.10	4.49	2.39	8.16	1.36	3.68	3.28	1.25	39.47
1844	0.93	1.07	3.45	0.29	3.64	1.87	3.50	6.90	3.55	5.18	2.25	3.08	35.71
1845	1.20	1.80	3.64	1.68	2.75	2.68	3.40	2.58	3.05	3.36	7.97	4.89	39.00
1846	2.44	1.82	3.27	1.31	4.21	2.40	3.59	2.79	0.64	1.61	2.70	1.25	28.03
1847	5.42	3.14	3.46	2.26	2.15	6.75	3.01	3.81	4.85	3.01	3.70	4.70	46.26
1848	2.83	2.10	3.54	1.60	7.41	4.01	2.16	3.15	4.06	5.00	2.68	3.75	42.29
1849	1.13	0.83	5.07	2.06	4.04	1.70	2.20	5.53	2.51	7.34	5.70	3.80	41.91
1850	3.32	4.38	2.75	4.22	7.12	2.23	2.78	7.65	6.21	2.61	2.92	4.90	51.09
1851	2.07	4.43	1.76	7.88	3.29	2.00	4.26	3.29	2.86	6.51	5.30	2.03	45.68
1852	1.44	2.96	3.06	8.86	1.22	3.33	2.31	8.07	1.64	2.14	4.78	2.97	42.78
1853	1.52	6.06	2.05	3.45	5.40	0.60	2.36	8.37	4.32	4.30	3.79	1.70	43.92
1854	2.36	3.53	3.34	4.68	4.31	3.49	2.12	0.18	4.67	4.28	6.28	2.84	42.08
1855	7.81	4.48	1.12	5.04	1.07	3.81	3.99	2.32	0.63	5.78	3.90	4.94	44.89
1856	2.83	1.07	0.90	3.48	5.31	2.09	1.73	12.31	4.79	2.03	2.53	3.42	42.49
1857	3.86	1.63	2.58	8.02	3.58	3.16	5.67	5.68	2.29	5.52	2.26	5.13	49.38
1858	1.88	1.49	1.47	4.11	3.32	5.07	3.42	3.18	3.10	3.13	2.01	3.62	35.80
1859	5.62	2.86	6.24	2.76	3.80	5.83	1.58	3.98	3.80	2.32	3.25	5.47	47.51
1860	0.66	2.06	2.08	1.02	1.91	4.87	6.87	5.03	9.44	2.46	4.65	5.86	46.91
1861	5.01	2.89	4.67	4.52	4.07	1.84	2.98	5.12	2.11	3.67	4.57	1.87	43.32
1862	6.86	3.27	4.85	1.75	1.99	6.04	5.20	2.29	1.87	3.92	4.60	1.62	44.26
1863	3.93	2.91	4.69	4.37	1.91	1.59	9.77	6.07	3.07	3.66	6.02	4.38	52.37
1864	2.44	0.89	8.03	2.56	2.56	1.25	1.62	3.22	2.91	3.79	3.93	4.91	38.11
1865	3.61	3.29	4.24	1.80	5.71	2.54	2.39	2.42	0.56	5.86	2.08	2.88	37.38
1866	1.66	4.68	3.50	2.56	4.22	2.64	4.54	3.52	3.92	1.62	2.32	3.00	38.18
1867	4.34	3.32	4.38	2.60	4.53	3.95	4.28	10.30	0.62	3.32	2.48	1.42	45.54
1868	3.54	1.88	3.04	5.06	7.64	3.62	1.18	4.00	10.96	0.80	4.78	1.46	47.96
1869	2.30	5.62	6.26	1.38	4.92	4.28	1.52	1.60	5.32	6.80	2.80	4.50	47.30
1870	6.41	4.36	4.49	5.94	1.96	6.17	1.41	3.07	3.02	3.64	2.92	2.91	46.30
1871	1.80	2.42	3.93	3.06	3.68	4.50	3.25	6.65	1.22	4.48	7.00	2.46	44.45
1872	1.66	1.86	3.16	1.52	3.42	5.50	3.40	8.38	4.36	3.30	4.58	3.18	44.32
1873	3.60	4.44	3.20	2.42	3.20	0.38	3.82	3.72	3.86	4.64	3.56	3.02	39.86
1874	2.86	2.24	1.98	4.94	3.36	2.96	5.72	5.84	0.88	1.50	2.38	1.02	35.68
1875	2.68	3.43	4.01	2.83	2.72	4.30	2.70	4.26	3.30	5.12	3.96	0.98	40.29

RAINFALL AT LOWELL, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	1.54	4.28	7.85	4.92	2.98	2.40	6.72	0.27	4.14	2.22	4.19	3.92	45.43
1877	2.32	0.64	6.32	4.60	3.24	2.18	3.11	3.64	0.14	7.54	6.20	0.96	40.89
1878	4.62	5.03	3.80	8.88	0.30	3.14	2.16	10.78	0.78	5.01	6.09	6.04	56.63
1879	2.30	3.80	5.18	3.86	1.84	5.72	4.13	5.62	2.28	1.35	3.20	4.42	43.70
1880	4.12	3.18	3.08	2.28	2.54	1.82	6.52	3.00	1.60	2.62	1.88	2.64	35.28
1881	4.20	4.32	5.30	1.90	3.80	4.84	3.12	1.96	3.29	2.24	4.44	3.78	43.19
1882	4.64	4.44	3.20	1.88	5.33	3.58	1.72	0.88	8.40	2.48	1.54	2.82	40.91
1883	3.40	3.86	2.18	2.68	5.21	2.91	4.54	1.52	1.86	5.88	2.00	3.80	39.84
1884	4.82	5.58	4.68	3.78	4.44	3.60	3.98	4.24	1.32	2.42	2.60	5.32	46.78
1885	4.64	4.10	1.26	3.60	3.84	4.00	6.46	6.60	1.80	4.48	4.84	3.10	48.72
1886	5.88	6.26	3.26	1.56	3.26	2.46	3.79	3.02	3.92	2.64	5.10	4.94	46.09
1887	5.54	5.18	4.73	3.16	0.86	1.18	5.16	12.28	2.56	3.08	3.52	4.88	52.13
1888	5.16	4.55	3.98	4.04	4.10	3.00	3.64	5.22	7.72	7.14	5.62	5.32	59.49
1889	4.74	1.72	1.95	2.16	3.14	2.36	6.22	3.18	3.20	4.42	6.28	2.06	41.43
1890	2.20	4.18	6.65	2.36	5.20	3.70	3.36	4.95	4.28	6.68	1.46	3.96	48.98
1891	6.62	2.63	4.20	2.80	1.96	3.20	2.62	1.88	1.30	2.60	0.93	3.09	33.83
1892	5.42	2.22	2.91	0.39	5.15	4.73	1.95	3.61	2.17	0.84	5.65	0.63	35.67
1893	2.50	7.07	2.14	2.70	5.29	2.57	2.65	3.46	2.60	4.24	2.07	5.80	43.09
1894	3.47	2.84	1.38	3.14	4.24	0.52	3.72	1.14	3.59	3.56	2.60	3.34	33.54
1895	2.83	0.78	2.58	3.98	1.28	3.12	2.93	1.99	2.16	7.87	5.81	2.76	38.09
1896	1.52	4.19	6.53	0.92	2.11	2.52	3.56	3.04	9.25	3.00	2.92	1.69	41.25
1897	3.63	2.69	2.58	1.06	2.67	6.66	4.54	3.92	2.97	0.50	5.77	4.65	41.64
1898	4.41	7.13	1.65	5.23	3.01	4.23	2.77	7.95	2.02	6.18	5.77	3.40	53.75
1899	2.66	4.50	5.98	1.76	1.92	2.82	4.06	2.26	4.01	2.16	2.46	1.80	36.39
1900	5.80	9.91	6.30	2.34	3.78	2.78	2.26	3.11	4.46	3.12	5.88	2.28	52.02
1901	1.73	1.06	5.78	10.23	6.95	1.56	4.76	3.63	3.54	3.33	2.67	8.63	53.87
1902	2.28	6.05	5.37	4.80	2.99	2.21	3.64	5.14	6.15	5.88	0.60	6.26	51.37
1903	3.27	3.95	5.83	3.52	0.98	8.97	2.75	3.13	1.51	4.20	1.55	2.91	42.57
1904	3.88	2.46	2.72	8.65	2.40	4.13	2.06	3.52	5.39	1.05	1.42	2.21	39.89
1905	5.39	1.28	3.11	2.26	1.17	5.21	1.19	3.54	6.73	1.40	2.30	3.78	37.36
1906	2.53	1.98	4.54	3.18	6.06	5.26	5.19	3.28	1.39	2.12	2.43	3.83	41.79
1907	2.37	1.73	1.86	2.29	2.31	2.37	4.47	1.25	7.40	4.35	4.94	3.28	38.62
1908	2.15	5.85	2.45	1.78	3.28	0.90	3.24	5.00	0.31	2.27	1.04	2.92	31.19
1909	3.37	4.91	3.11	4.28	1.89	1.62	2.36	1.93	3.91	1.12	2.44	3.86	34.80
1910	3.54	3.75	1.45	2.72	1.36	2.98	2.18	3.24	1.83	1.11	2.63	1.72	28.51
1911	2.82	2.34	3.49	1.64	0.71	1.90	3.25	5.49	2.57	3.13	3.59	3.30	34.23
1912	2.48	1.56	4.27	2.93	4.74	0.42	5.67	2.23	2.15	2.02	2.67	4.50	35.64
1913	2.21	2.73	4.18	2.99	3.25	1.92	1.06	2.73	3.43	5.78	2.26	3.19	35.73
Av.	3.18	3.12	3.56	3.48	3.49	3.28	3.53	4.24	3.37	3.59	3.72	3.36	41.92

RAINFALL AT LUDLOW, MASS. Elevation, 410 feet.

(Ludlow Reservoir, Springfield Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	2.03	4.97	6.16	2.52	2.64	2.13	4.88	1.24	3.03	0.53	2.75	0.34	33.22
1877	2.52	0.36	5.84	2.44	0.92	3.07	7.04	2.22	0.54	7.74	4.17	1.28	38.14
1878	3.33	2.59	3.64	5.37	1.60	5.94	2.71	2.47	2.26	2.83	5.00	4.86	42.60
1879	1.95	3.65	4.42	3.53	3.12	5.66	3.45	6.36	3.15	1.27	2.49	4.43	43.48
1880	3.85	2.27	2.66	2.93	2.05	1.82	6.44	3.36	1.80	3.00	1.78	1.70	33.66

RAINFALL AT LUDLOW, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1881	4.02	3.97	3.99	1.68	4.64	3.89	3.79	3.45	1.17	3.11	3.86	5.22	42.79
1882	4.44	3.08	2.54	1.37	5.22	4.71	1.26	1.40	9.88	2.12	1.45	2.28	39.75
1883	2.43	3.88	1.61	2.03	4.25	4.39	3.62	1.67	2.76	5.28	1.20	2.26	35.38
1884	3.58	4.49	4.76	1.71	2.54	2.92	5.77	6.28	1.29	2.56	3.55	4.91	44.36
1885	3.92	2.84	1.11	2.74	2.30	2.18	2.22	8.38	0.96	3.64	4.94	4.37	39.60
1886	4.52	4.77	3.72	1.98	4.38	1.70	5.19	2.89	4.69	3.44	5.03	3.20	45.51
1887	5.62	4.85	4.92	2.76	0.85	5.38	5.67	7.30	1.45	2.05	3.44	4.31	48.60
1888	3.49	4.65	7.65	3.11	4.76	3.88	2.85	4.16	9.34	5.65	5.08	4.60	59.22
1889	3.97	1.97	2.09	2.73	3.57	4.37	9.05	2.38	4.04	5.08	5.85	3.79	48.89
1890	3.17	4.52	6.21	2.23	5.56	2.87	5.65	5.91	7.03	6.22	1.51	3.41	54.29
1891	7.87	4.70	2.99	2.87	1.73	3.83	5.84	3.32	1.77	3.73	3.00	4.85	46.50
1892	6.60	2.15	2.85	0.85	6.73	3.67	5.92	6.22	1.80	0.80	5.82	2.15	45.56
1893	3.40	6.50	3.75	3.80	5.26	3.73	1.77	3.10	2.42	4.16	1.62	4.56	44.07
1894	2.32	2.37	1.12	2.00	3.29	2.01	2.03	0.84	3.42	3.98	4.07	2.11	29.56
1895	2.10	1.06	2.41	6.17	2.05	2.85	6.35	2.90	3.75	6.65	5.06	3.83	45.18
1896	0.92	3.74	5.23	1.40	2.60	2.45	5.73	1.32	5.27	3.68	2.35	1.41	36.10
1897	2.77	2.25	3.27	2.75	4.74	5.21	13.12	4.32	1.86	0.93	6.49	5.77	53.48
1898	6.12	2.95	2.22	4.21	4.65	3.05	4.67	8.30	3.20	7.04	5.95	3.25	55.61
1899	2.80	4.65	6.52	2.40	0.65	4.10	5.05	1.49	4.24	2.97	1.92	1.96	38.75
1900	3.84	7.62	5.75	1.66	4.41	4.50	4.49	3.16	3.18	4.33	5.88	2.71	51.53
1901	1.79	0.69	6.00	5.93	5.32	1.23	3.37	7.64	3.28	4.84	1.57	8.35	50.01
1902	1.78	2.70	4.30	3.71	1.72	3.23	3.81	4.50	4.91	5.30	1.39	6.50	43.85
1903	2.64	3.75	5.98	2.73	1.06	8.03	5.12	5.79	2.56	2.33	2.86	2.29	45.14
1904	3.04	2.65	3.68	5.53	2.75	4.70	2.90	5.15	6.29	1.39	1.25	2.33	41.66
1905	4.03	1.06	3.33	2.70	1.05	3.55	2.56	5.24	6.29	1.48	1.95	3.15	36.39
1906	2.58	2.01	5.20	2.91	5.22	3.57	7.68	3.43	3.72	6.14	1.38	4.00	47.84
1907	2.61	2.03	1.60	2.68	3.71	2.68	3.62	1.32	8.43	5.89	3.81	3.28	41.66
1908	2.43	2.57	5.27	2.29	3.65	1.78	4.42	6.07	0.96	1.19	1.04	2.41	34.08
1909	2.47	4.60	2.65	5.75	2.14	1.69	3.41	2.20	5.15	1.37	0.92	2.09	34.44
1910	5.08	0.97	1.31	7.59	5.00	2.77	1.48	2.69	3.17	1.15	3.82	2.02	37.05
1911	2.62	1.91	3.47	2.04	1.52	1.25	4.49	7.33	3.68	6.97	3.35	3.44	42.07
1912	1.55	1.46	5.75	4.68	5.51	0.49	2.43	3.15	1.62	1.47	3.71	3.85	35.67
1913	3.56	2.42	5.92	3.61	4.26	0.98	1.33	3.84	2.62	6.00	2.42	2.37	39.33
Av.	3.36	3.15	4.00	3.14	3.35	3.32	4.50	4.02	3.61	3.64	3.26	3.41	42.76

RAINFALL AT LYNN, MASS. Elevation, 40 feet.

(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1873	4.71	2.42	3.45	1.94	2.95	0.76	2.57	4.12	3.95	4.28	4.74	3.57	39.46
1874	2.04	3.60	1.46	6.62	3.62	2.83	2.91	4.89	1.68	1.02	2.55	1.70	34.92
1875	3.32	2.78	4.33	3.54	3.44	5.57	2.04	3.13	4.28	4.46	3.98	0.99	41.86
1876	1.83	4.72	6.04	3.37	3.21	1.07	7.36	0.55	3.67	1.67	7.92	3.64	45.05
1877	3.22	0.84	8.28	3.85	1.94	2.39	3.17	3.79	0.66	9.20	7.56	0.75	45.65
1878	6.25	4.81	7.31	6.20	0.98	2.35	3.61	8.45	1.98	4.96	6.19	4.27	57.36
1879	2.80	2.57	4.46	5.66	0.97	5.70	2.83	6.46	1.94	0.77	2.90	3.98	41.04
1880	2.84	3.43	3.25	2.46	3.16	1.33	7.24	3.46	1.86	2.65	2.44	3.16	37.28
1881	5.42	4.70	7.31	1.86	3.50	7.11	3.35	0.88	3.00	1.93	3.84	3.41	46.31
1882	5.30	4.05	2.45	2.01	5.12	1.14	1.79	0.69	8.51	2.03	1.46	1.84	36.39

RAINFALL AT LYNN, MASS. —*Continued.*

(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1883	2.02	2.38	1.46	2.69	2.73	2.03	2.94	0.96	1.10	5.82	1.99	2.02	28.14
1884	4.19	6.97	5.20	5.15	3.68	3.31	2.88	4.58	1.33	2.78	2.90	4.78	47.75
1885	5.41	2.60	1.30	3.53	4.01	3.37	1.62	7.71	1.42	6.20	5.60	2.24	45.01
1886	5.98	7.47	3.70	1.90	3.30	1.57	4.05	3.59	3.22	3.77	3.96	5.75	48.26
1887	6.20	4.98	5.50	5.24	1.69	2.24	5.89	5.84	1.22	2.92	3.09	4.05	48.86
1888	3.87	3.02	5.88	2.72	5.87	2.09	2.54	6.80	8.83	5.40	8.13	5.46	60.61
1889	6.43	2.36	3.19	3.56	4.51	4.74	8.75	5.03	3.43	5.03	6.65	2.97	56.65
1890	2.51	4.69	7.56	2.59	5.99	3.17	1.99	4.62	5.68	7.36	1.34	5.39	52.89
1891	6.42	5.12	4.51	2.40	2.29	3.83	3.38	2.91	2.43	5.95	2.31	3.41	44.96
1892	4.86	2.43	3.33	0 65	5.53	3.56	1.62	6.95	1.65	2.52	5.26	1.31	39.67
1893	2.15	6.40	2.17	3.41	5.64	3.05	1.82	8.68	1.43	3.21	1.79	5.51	45.26
1894	2.84	2.74	1.11	3.33	4.91	0.59	2.98	2.56	2.18	5.79	3.34	4.25	36.62
1895	3.72	1.11	3.05	3.35	3.21	3.23	3.15	4.55	1.27	10.12	5.64	2.39	44.79
1896	2.78	5.75	4.97	1.56	2.03	2.17	2.53	2.21	6.08	3.33	3.87	1.22	38. 0
1897	2.37	1.88	2.39	2.49	3.98	4.70	3.25	4.25	2.14	0.32	6.05	4.23	38.05
1898	5.87	3.91	2.01	6.15	4.22	1.53	4.71	8.25	2.41	7.19	5.09	2.86	54.20
1899	3.73	3.28	6.38	1.42	1.57	2.62	2.21	1.35	5.18	2.53	1.99	1.64	33.90
1900	3.95	5.84	3.38	1.64	5.21	1.26	1.95	1.62	3.79	3.13	4.31	2.21	38.29
1901	1.97	1.00	5.84	8.86	7.11	1.73	4.62	3.48	3.20	2.82	2.61	8.16	51.40
1902	2.00	6.95	4.41	4.23	0.97	2.27	3.02	2.71	3.03	4.81	1.47	5.59	41.46
1903	3.83	4.37	6.18	4.52	0.37	8.56	2.76	2.65	1.61	4.08	1.41	2.34	42.68
1904	3.54	2.65	3.36	7.67	4.70	2.97	1.43	2.67	5.87	2.44	1.81	2.39	41.50
1905	4.51	1.18	2.59	2.55	1.61	5.33	1.12	2.70	6.20	1.13	2.09	3.70	34.71
1906	2.58	2.65	6.60	1.92	4.26	4.13	3.58	1.98	1.89	3.05	2.65	4.23	39.52
1907	2.56	2.05	1.91	3.21	2.49	2.14	2.05	1.14	8.06	2.21	5.00	3.58	36.40
1908	2.11	2.57	2.65	1.55	2.92	0.94	3.37	3.67	0.50	3.97	0.90	2.02	27.17
1909	4.42	3.70	2.60	3.30	1.47	3.36	2.39	2.96	3.84	1.29	3.92	2.88	36.13
1910	3.99	3.88	0.93	1.65	1.24	3.67	1.46	0.92	2.06	0.98	2.27	1.96	25.01
1911	2.29	3.00	2.51	1.74	0.43	2.82	5.01	3.76	2.69	1.89	3.26	2.91	32.31
1912	2.78	1.80	4.04	2.54	5.02	0.28	4.04	1.72	2.83	1.32	2.54	4.78	33.69
1913	2.85	2.47	4.27	4.81	3.16	1.51	3.23	3.42	2.57	6.39	2.32	3.22	40.22
Av.	3.72	3.54	3.98	3.41	3.29	2.90	3.25	3.72	3.19	3.73	3.64	3.34	41.71

RAINFALL AT LYNN, MASS. Elevation, 70 feet.

(City Hall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	...	...	...	...	...	...	...	...	0.75	10.45	9.08	0.99	...
1878	6.48	5.61	7.59	6.90	0.71	2.40	3.69	7.08	2.33	5.56	5.26	3.85	57.46
1879	1.87	3.25	3.94	6.35	1.11	6.57	3.13	9.32	1.82	0.72	3.79	4.71	46.58
1880	3.47	2.92	2.84	2.21	2.67	0.95	5.78	3.19	1.53	2.33	2.82	2.34	33.05
1881	5.60	4.75	8.42	1.30	3.14	6.22	3.13	0.61	2.43	1.87	3.59	2.97	44.03
1882	4.76	3.54	2.35	1.77	4.72	0.93	1.76	0.83	7.51	1.77	1.16	1.84	32.94
1883	...	...	...	...	...	...	...	...	...	...	...	...	...
1884	...	...	...	...	...	...	...	...	...	...	...	...	...
1885	4.85	2.15	1.03	3.22	3.57	3.28	1.50	7.16	1.42	5.85	5.20	1.85	41.08
1886	4.89	6.69	3.05	1.82	3.41	1.44	3.48	3.44	3.07	3.33	3.33	4.51	42 46

RAINFALL AT LYNN, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	6.20	4.98	5.50	5.24	1.69	2.24	5.89	5.84	1.22	2.92	3.09	4.05	48.86
1888	3.09	2.20	4.41	2.81	5.30	2.06	2.32	5.93	8.04	4.51	6.52	5.46	52.65
1889	4.98	1.81	2.32	3.14	3.72	4.64	7.60	3.99	2.95	3.94	5.75	2.35	47.19
1890	1.82	3.05	5.62	2.19	5.43	2.80	2.17	2.89	4.80	6.75	1.48	4.55	43.55
1891	6.02	4.15	3.61	2.13	1.98	4.00	3.25	3.25	2.77	5.13	2.22	3.39	41.90
1892	4.02	2.13	1.93	0.68	5.23	3.22	1.44	6.50	1.63	2.56	4.67	1.12	35.13
1893	1.43	4.93	2.03	2.72	5.42	3.43	1.73	9.54	1.47	3.42	1.59	4.71	42.42
1894	2.21	1.99	0.86	2.68	4.43	0.50	2.34	1.95	1.88	5.00	2.70	3.28	29.82
1895	3.13	0.76	2.60	3.16	3.54	2.31	3.18	5.18	1.07	9.72	5.34	1.69	41.68
1896	2.02	4.44	3.91	1.57	2.16	2.29	2.43	2.21	5.53	3.31	3.54	1.06	34.47
1897	2.02	1.23	2.20	2.92	4.25	4.54	3.10	5.06	2.18	0.29	6.24	3.73	37.76
1898	4.25	3.67	1.64	6.11	4.13	1.45	5.07	7.53	2.15	7.25	4.69	2.42	50.36
1899	...	...	...	...	...	...	...	...	...	...	...	...	...
1900	3.64	5.42	3.64	1.27	5.21	1.36	2.03	1.97	1.15	3.22	3.69	1.85	34.45
1901	1.49	0.63	5.71	8.23	6.71	1.94	4.48	3.26	2.87	2.74	2.75	6.74	47.55
1902	1.32	5.50	3.42	4.09	0.84	1.91	2.79	2.08	2.35	4.55	1.39	3.54	33.78
1903	3.16	2.49	5.19	3.95	0.32	8.18	2.30	2.36	1.51	3.51	1.21	1.89	36.07
1904	3.08	2.09	2.07	8.36	4.23	2.77	1.12	2.11	5.03	1.74	1.77	1.89	36.26
1905	2.44	1.31	2.17	2.44	1.21	5.03	0.76	2.04	4.14	0.50	2.04	3.05	27.13
1906	1.81	2.30	4.66	2.37	4.26	4.02	3.85	1.92	2.08	3.12	2.58	4.04	37.01
1907	1.75	1.23	1.94	2.12	2.81	2.79	1.22	1.01	7.96	2.42	6.05	3.69	34.99
1908	2.03	3.77	3.09	2.23	3.23	0.71	3.89	3.76	0.62	4.14	0.89	2.15	30.51
1909	3.55	4.39	3.58	3.90	1.53	4.00	2.31	3.07	4.63	1.20	4.25	3.11	39.52
1910	3.62	4.04	0.85	1.97	1.12	4.52	1.20	0.61	2.38	1.02	3.27	1.59	26.19
1911	2.33	2.34	2.93	2.31	0.65	4.02	5.20	4.83	3.29	2.47	3.72	3.17	37.26
1912	2.74	2.38	4.53	2.98	4.71	0.44	4.12	1.72	2.72	1.47	2.42	4.34	34.57
1913	2.30	2.86	4.10	4.61	3.31	1.52	3.05	3.17	2.52	5.81	1.98	3.42	38.65
Av.	3.28	3.18	3.45	3.33	3.24	2.98	3.07	3.80	3.00	3.46	3.36	3.16	39.31

RAINFALL AT LYNNFIELD, MASS. Elevation, 100 feet.

(Diary of General Newhall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1842	1.13	3.12	2.50	2.88	2.50	6.50	2.25	4.00	3.50	1.12	4.38	5.50	39.38
1843	1.88	5.00	7.00	3.87	2.00	3.38	1.87	9.87	1.25	5.00	3.00	3.75	47.87
1844	4.00	2.25	4.13	0.12	3.00	1.50	3.50	2.25	3.50	5.75	2.38	3.75	36.13
1845	4.00	4.38	2.62	1.25	2.44	2.75	2.88	1.81	2.75	4.12	10.50	6.12	45.62
1846	2.50	3.25	3.00	1.19	3.00	1.38	3.12	1.75	0.13	1.50	3.37	4.12	28.31
1847	3.38	4.25	2.37	1.88	1.75	5.12	3.75	4.38	7.50	1.13	3.62	3.37	42.50
1848	4.13	4.62	4.38	1.50	5.87	2.63	1.75	2.12	3.88	5.13	2.37	5.00	43.38
1849	0.62	1.37	4.63	1.37	4.25	1.75	1.25	5.25	1.88	7.37	5.13	3.50	38.37
1850	6.13	2.62	4.75	3.38	6.75	3.25	3.00	4.75	6.25	2.50	3.75	4.87	52.00
1851	1.63	4.37	2.25	8.25	3.25	2.50	2.13	2.62	2.00	6.00	5.63	2.75	43.38
1852	4.00	3.00	3.63	9.00	1.37	4.38	2.12	8.13	2.00	2.87	4.62	2.25	47.37
1853	3.50	6.00	1.75	3.38	5.50	0.25	3.00	9.12	4.63	4.00	5.25	4.62	51.00
1854	2.63	4.75	4.00	5.87	3.50	2.63	3.00	0.12	3.38	2.87	7.00	4.00	43.75
1855	8.00	4.25	1.13	5.12	0.88	3.00	3.00	2.75	1.75	2.75	4.37	5.50	42.50
1856	3.75	1.06	1.13	3.00	5.25	3.12	2.38	13.25	5.75	2.00	2.50	4.25	47.44
1857	4.75	1.75	3.00	7.38	4.62	1.12	4.88	6.75	1.88	4.38	2.12	4.62	47.25
1858	3.00	2.63	1.75	4.75	2.62	6.25	3.75	7.87	5.00	3.25	2.88	4.75	48.50

RAINFALL AT LYNNFIELD, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1859	5.63	5.12	6.88	2.75	3.25	5.37	2.50	5.63	4.12	2.75	3.63	7.00	54.63
1860	1.13	2.75	2.75	1.12	1.88	5.00	6.00	3.50	7.37	2.50	6.00	6.50	46.50
1861	6.00	4.00	6.13	5.50	2.06	2.25	3.13	6.12	2.63	2.37	4.38	1.62	46.19
1862	7.00	3.38	3.12	1.75	2.13	5.12	7.75	2.13	4.12	5.38	6.87	2.50	51.25
1863	4.25	4.25	6.13	7.75	2.25	2.25	10.25	5.62	2.13	3.25	5.87	5.50	59.50
1864	3.38	1.12	7.13	4.12	2.00	0.87	0.75	3.50	2.75	4.00	4.75	5.00	39.37
1865	4.88	7.12	4.63	2.37	5.75	5.25	2.63	1.50	0.25	5.37	3.88	3.12	46.75
1866	2.63	4.75	4.25	2.75	4.87	2.38	7.37	4.00	5.63	1.87	3.25	3.75	47.50
1867	3.75	5.75	5.13	2.50	4.00	2.25	5.75	9.12	0.38	7.00	1.75	2.25	49.63
1868	4.38	1.25	3.50	5.50	9.25	2.00	0.62	3.88	8.37	1.38	5.12	2.00	47.25
1869	3.75	6.50	7.00	1.75	5.25	3.00	1.88	1.12	3.38	5.62	2.25	4.50	46.00
1870	6.75	5.25	5.63	7.12	2.00	3.00	1.13	3.62	3.38	3.37	3.87	3.75	48.87
1871	2.38	3.00	3.00	2.75	3.25	4.62	2.38	3.00	1.25	6.00	6.00	3.62	41.25
1872	1.75	2.75	4.38	1.50	4.00	5.75	4.00	9.62	5.75	3.63	4.37	4.00	51.50
1873	5.50	2.88	3.37	2.50	4.00	0.38	2.50	5.50	3.50	4.75	6.50	4.75	46.13
1874	4.75	3.63	1.62	6.25	4.13	2.63	3.13	5.12	1.62	0.87	3.00	1.50	38.25
1875	4.75	3.50	5.00	4.00	3.00	6.63	1.75	3.37	3.50	4.75	4.88	1.12	46.25
1876	1.62	5.13	7.75	4.50	2.75	0.63	7.25	0.87	4.13	1.62	6.25	4.37	46.87
1877	5.13	1.12	7.50	3.63	2.75	1.62	2.63	4.62	0.25	8.00	7.75	0.75	45.75
1878	6.63	6.62	4.38	5.75	0.25	2.50	3.75	8.75	2.25	5.12	5.38	4.75	56.13
Av.	3.92	3.74	4.14	3.79	3.44	3.11	3.37	4.79	3.35	3.82	4.56	3.92	45.95

RAINFALL AT MANSFIELD, MASS. Elevation, 150 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1888	4.21	3.78	6.86	2.51	5.19	2.23	2.60	7.00	9.80	5.41	10.18	5.44	65.21
1889	6.21	2.48	1.96	4.70	4.41	3.72	10.60	4.16	5.25	5.62	6.50	3.43	59.04
1890	4.15	3.80	8.45	4.40	6.54	3.26	2.00	4.79	4.77	7.59	0.95	5.02	55.72
1891	8.20	6.61	5.63	3.07	1.03	3.66	3.86	3.52	3.20	5.84	3.08	4.62	52.32
1892	5.56	2.43	3.67	1.45	6.32	3.11	2.13	3.30	2.35	2.78	5.61	1.44	40.15
1893	3.01	7.76	3.68	4.72	5.88	2.79	1.81	5.74	2.86	5.23	2.71	5.93	52.12
1894	3.79	4.61	1.64	3.62	5.04	0.51	3.40	2.02	3.80	7.27	4.39	5.47	45.56
1895	5.81	1.30	3.74	6.45	3.76	3.07	3.94	3.06	3.53	8.92	7.49	3.25	54.32
1896	2.92	6.03	5.16	1.27	2.51	3.71	1.91	2.00	10.85	2.78	4.00	2.76	45.90
1897	5.08	3.39	3.46	3.54	5.17	3.49	5.24	4.93	3.74	0.66	8.06	4.60	51.36
1898	4.55	5.73	3.35	6.96	4.70	1.76	9.36	8.25	3.98	7.95	7.60	3.16	67.35
Av.	4.86	4.36	4.33	3.88	4.59	2.85	4.26	4.43	4.92	5.46	5.51	4.10	53.55

RAINFALL AT MIDDLEBOROUGH, MASS. Elevation, 53 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	...	...	...	...	...	3.08	3.23	5.12	0.98	2.85	2.33	3.62	....
1888	3.80	3.59	5.63	2.11	5.01	1.78	3.88	5.66	9.44	3.56	10.23	4.14	58.83
1889	6.15	2.56	2.38	4.47	4.05	2.42	6.74	5.39	3.62	4.68	6.69	2.35	51.50
1890	2.77	2.90	8.69	2.98	5.03	3.52	1.48	3.38	7.32	10.55	1.11	4.08	53.81
1891	7.90	5.69	4.90	3.69	2.19	1.85	2.19	3.22	1.97	5.70	3.04	3.45	45.79
1892	4.15	2.50	4.52	1.84	4.76	2.84	1.55	4.43	2.54	1.85	6.62	1.32	38.92
1893	3.43	6.51	5.35	3.41	4.35	3.96	1.62	5.21	2.42	3.26	2.67	5.56	47.75
1894	4.62	4.74	1.22	3.40	4.48	0.61	1.20	1.84	3.22	7.68	4.22	4.91	42.14
1895	2.99	1.36	3.16	4.95	3.56	2.26	1.88	2.94	1.88	6.14	4.35	3.28	38.75

RAINFALL AT MIDDLEBOROUGH, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	2.36	5.24	5.39	0.98	2.66	3.62	2.01	2.66	8.17	4.38	3.50	2.47	43.44
1897	4.52	2.14	2.29	3.80	4.19	3.26	4.80	2.63	1.45	0.94	6.95	3.49	40.46
1898	4.78	4.96	2.90	5.41	4.63	1.74	7.78	5.29	2.12	8.79	7.12	2.48	58.00
1899	5.35	8.81	6.53	1.88	1.52	3.96	2.99	1.75	7.12	2.99	1.09	1.33	45.32
1900	4.43	5.80	4.29	1.67	5.58	1.99	1.79	1.54	3.58	4.68	3.95	2.52	41.82
1901	2.20	1.20	7.38	7.30	7.57	1.88	2.58	2.43	3.70	3.21	2.23	8.70	50.38
1902	2.19	7.10	5.82	2.67	1.13	4.89	2.34	1.79	3.10	5.02	1.64	6.06	43.75
1903	3.94	4 94	7.02	4.17	0.49	3.38	2.33	3.56	0.68	5.35	1.67	3.35	40.88
1904	5.44	4.13	2.86	7.98	2.56	4.59	2.45	3.14	3.64	1.80	2.13	4.12	44.84
1905	3.55	1.72	2.40	2.05	1.29	7.26	5.33	2.77	5.19	1.80	1.87	3.87	39.10
1906	4.68	4.00	6.06	2.03	4.31	2.93	4.77	3.49	3.14	2.91	2.33	3.78	44.43
1907	3.09	3.83	2.17	3.58	3.47	2.26	1.09	1.47	8.51	2.90	5.02	5.75	43.14
1908	3.29	4.17	3.80	2.68	2.46	2.05	3.01	4.97	0.91	6.68	1.18	3.80	39.00
1909	4.29	5.87	3.94	6.14	2.75	1.53	1.33	2.37	4.33	1.73	3.33	3.28	40.89
1910	4.88	4.38	1.70	2.06	2.63	4.64	2.23	1.59	2.00	1.77	4.33	2.80	35.01
1911	3.00	2.77	3.63	3.32	0.97	1.51	4.62	3.30	2.96	2.57	6 80	3.35	38.80
1912	4.49	2.96	7.47	3.58	4.23	0.38	2.15	3.09	1.19	1.61	4.42	6.09	41.66
1913	4.67	2.81	3.47	5.14	1.68	1.17	1.80	2.44	2.77	11.77	2.47	3.64	43.83
Av.	4.11	4.10	4.42	3.59	3.37	2.78	2.92	3.17	3.73	4.40	3.88	3.85	44.32

RAINFALL AT MILTON, MASS. Elevation, 640 feet.
(Blue Hill Observatory.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	5.17	8.29	3.05	2.16	3.94	1.52	2.26	3.95	3.08	4.87	3.16	5.54	46.99
1887	5.19	5.29	4.93	3.97	2.54	2.74	5.01	3.67	1.00	2.69	2.55	4.14	43.72
1888	3.52	2.95	6.02	2.07	3.91	1.79	1.48	6.38	9.58	4.66	8.23	5.25	55.84
1889	6.11	1.81	2.62	4.13	4.67	5.00	8.47	3.61	5.25	5.20	5.49	2.24	54.60
1890	2.63	2.96	7.44	3.67	5.77	1.85	1.55	3.07	7.49	7.99	1.11	5.26	50.79
1891	6.71	5.01	4.88	2.75	2.39	4.30	2.80	4.72	3.82	5.90	2.92	4.07	50.27
1892	4.64	1.93	3.40	0.92	5.33	3.68	3.39	5.68	2.31	2.20	5.02	1.23	39.73
1893	2.42	6.71	4.03	3.05	4.49	2.69	2.48	6.88	1.99	3.66	2.17	4.51	45.08
1894	3.18	3.53	1.21	3.33	3.13	0.74	2.98	2.39	2.69	6.56	4.10	4.40	38.24
1895	4.03	1.12	2.93	5.24	2.53	1.85	3.35	2.80	2.95	7.93	8.95	2.51	46.19
1896	2.71	4.45	5.95	1.32	2.75	3.41	3.56	2.96	10.23	4.47	3.82	1.81	47.44
1897	4.16	2.77	2.94	3.20	4.38	3.60	4.86	5.74	2.18	0.63	6.77	4.17	45.40
1898	4.24	5.28	2.72	5.99	4.12	2.70	7.41	6.56	3.02	7.16	7.19	2.30	58.69
1899	5.28	4.09	6.45	1.54	1.11	2.25	4.21	1.27	7.57	2.69	2.32	1.89	40.67
1900	4.25	6.82	4.62	1.98	5.61	4.23	3.02	1.36	4.29	4.06	5.44	2.46	48.14
1901	2.05	1.04	7.36	7.31	5.96	1.65	6.15	2.90	4.75	3.75	3.18	7.88	53.98
1902	2.05	5.73	6.75	2.81	1.38	3.78	3.15	2.76	2.94	4.54	1.33	5.49	42.71
1903	4.29	4.92	7.20	3.86	1.28	6.46	2.94	4.36	1.74	5.46	1.20	3.05	46.76
1904	6.00	3.72	3.52	8.53	2.96	2.86	2.52	2.21	6.04	2.72	1.90	3.21	46.19
1905	4.98	1.89	2.83	3.35	1.63	4.56	2.33	3.64	6.31	1.66	2.25	4.02	39.45
1906	3.27	3.27	6.04	2.50	5.30	1.83	6.49	2.06	4.18	4.22	2.56	3.81	45.53
1907	3.76	3.23	2.62	4.16	3.39	3.18	1.60	1.47	8.81	3.40	6.46	5.49	47.57
1908	3.96	4.08	3.92	1.87	4.16	1.35	4.67	3.68	1.03	4.85	1.00	3.01	37.58
1909	4.54	5.11	4.42	4.79	2.51	3.24	1.28	4.22	4.42	1.46	3.82	3.80	43.61
1910	6.32	4.43	1.82	2 50	1.37	3.80	1.75	1.73	2.06	1.54	5.70	2.61	35.63
1911	3.07	3.20	3.27	2.86	0.89	4.76	4.55	6.70	3.36	3.01	5.71	3.24	44.62
1912	3.87	2.24	5.26	4.05	4.03	0.53	4.16	3.05	1.71	1.52	3 45	5.73	39.60
1913	3.21	3.77	5.32	4.73	2.85	3.20	2.00	3.30	2.77	7.62	2.70	3.66	45.13
Av.	4.13	3.92	4.41	3.52	3.37	2.98	3.59	3.68	4.20	4.16	3.95	3.81	45.72

RAINFALL AT MONSON, MASS. Elevation, 370 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	4.63	5.69	3.55	1.95	3.17	2.10	3.54	4.90	2.58	3.14	5.18	4.64	45.07
1887	5.70	4.37	4.56	3.15	0.79	4.11	6.27	7.98	1.48	2.33	3.19	3.92	47.85
1888	3.58	4.49	7.01	2.16	3.69	4.01	4.07	4.00	7.44	4.95	5.25	6.21	56.86
1889	3.94	4.13	4.02	2.87	1.95	2.97	8.12	2.76	2.72	6.21	5.51	3.31	48.51
1890	3.34	3.43	6.60	2.66	5.86	2.23	5.16	4.61	3.54	5.80	0.89	3.53	47.65
1891	7.33	5.38	3.01	3.07	1.86	2.84	4.88	3.27	3.40	3.95	2.36	4.20	45.55
1892	5.15	1.57	2.55	0.44	5.87	3.56	5.26	5.69	2.58	1.08	5.22	1.32	40.29
1893	2.70	7.40	3.31	3.60	5.61	3.68	2.09	3.24	3.39	5.33	1.14	4.79	46.28
1894	3.12	3.03	1.75	2.57	2.87	1.53	1.81	1.57	2.78	3.81	4.17	2.60	31.61
1895	2.66	0.95	1.97	4.22	2.40	4.24	4.20	3.45	5.51	7.25	4.87	4.25	45.97
1896	1.79	5.94	5.32	1.75	2.90	3.10	4.85	2.03	6.20	4.10	2.38	1.63	41.99
1897	4.18	3.07	3.46	1.61	5.15	3.95	9.45	3.23	1.31	1.07	7.21	5.70	49.39
1898	5.26	3.93	2.85	3.94	3.66	3.33	6.14	10.00	3.30	5.97	7.25	3.06	58.69
1899	3.64	4.11	6.51	1.25	1.58	4.54	5.92	4.47	3.29	1.81	2.57	2.52	42.21
1900	4.51	7.58	5.88	2.30	4.90	5.18	4.53	3.54	2.08	4.01	6.30	2.83	53.64
1901	1.88	1.10	5.96	6.69	7.19	1.26	3.50	5.83	4.54	3.53	2.36	10.06	53.90
1902	2.19	7.10	5.82	2.67	1.13	4.89	2.34	1.79	3.10	5.02	1.64	6.06	43.75
1903	2.30	3.94	6.73	3.21	1.07	5.88	2.44	4.14	3.49	3.15	2.76	4.14	43.25
1904	3.95	3.46	3.72	5.07	2.35	2.49	3.85	4.72	6.80	1.97	1.65	2.94	42.97
1905	4.32	1.59	4.56	2.56	1.16	6.00	1.88	4.92	7.01	1.99	2.19	3.42	41.60
1906	2.91	2.27	5.05	2.87	5.14	3.10	8.04	2.16	2.25	5.47	2.19	3.80	45.25
1907	2.80	2.11	1.61	3.05	4.11	2.38	2.65	1.30	9.79	6.67	5.72	4.83	47.02
1908	3.55	4.44	3.62	2.31	4.96	1.36	2.34	5.56	1.50	1.73	1.10	3.00	35.47
1909	3.44	5.13	4.08	5.74	**3.57**	**1.45**	**1.38**	**4.58**	**4.74**	**1.46**	**2.34**	2.35	40.26
1910	5.62	4.11	1.44	2.85	2.51	3.15	2.62	4.00	2.51	1.05	3.97	2.38	36.21
1911	3.15	2.45	3.85	2.55	0.59	...	...	7.62	4.47	3.71	4.16	...	....
Av.	3.78	4.01	4.20	2.98	3.42	3.33	4.29	4.15	3.89	3.72	3.58	3.90	45.25

RAINFALL AT MONTAGUE, MASS. Elevation, 200 feet.
(Turners Falls.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	3.03	1.65	2.15	0.53	5.58	3.17	3.58	7.01	2.60	0.52	5.17	1.00	35.99
1893	2.70	4.52	3.85	3.12	4.65	2.77	1.65	4.13	1.42	2.90	2.04	3.87	37.62
1894	1.75	1.72	1.30	1.41	2.06	2.37	1.39	0.69	4.86	3.95	2.98	3.18	27.66
1895	3.26	0.51	2.15	2.78	1.83	2.59	4.55	3.17	3.41	2.78	4.31	3.56	34.90
1896	1.09	2.74	7.66	1.06	2.16	1.62	3.44	3.60	6.37	2.98	3.50	0.77	36.99
1897	3.11	2.04	3.91	2.88	3.25	6.59	13.32	2.59	1.26	1.48	4.77	5.74	50.94
1898	5.79	1.86	1.30	3.25	4.26	2.73	2.46	5.68	3.73	7.02	4.42	1.52	44.02
1899	2.92	2.18	6.58	1.38	1.04	2.06	4.83	1.20	4.91	1.12	2.03	2.04	32.29
1900	3.83	6.52	1.32	5.22	2.20	2.21	2.10	2.56	2.10	2.74	4.84	2.53	38.17
1901	1.60	0.38	5.28	5.82	4.96	2.22	5.27	7.35	2.95	4.90	1.14	6.77	48.64
1902	1.36	1.79	5.98	2.84	2.13	3.13	3.78	3.75	3.18	3.96	0.92	6.12	38.94
1903	3.20	3.65	4.77	2.13	0.44	7.92	3.43	4.08	1.33	2.04	1.92	2.89	37.80
1904	2.99	2.06	3.59	3.18	2.53	3.43	3.38	4.46	6.34	1.92	0.13	2.65	36.66
1905	3.58	1.33	2.35	2.03	1.23	4.21	2.96	5.12	6.33	1.73	2.10	3.50	36.47
1906	2.05	2.28	4.25	2.47	6.03	3.55	4.90	4.38	2.25	4.62	3.12	2.58	42.48
1907	3.61	1.45	2.12	2.74	3.35	3.15	1.95	1.72	10.41	4.83	5.02	3.79	44.14
1908	2.87	4.62	3.21	2.17	5.36	1.87	3.97	6.15	1.11	1.79	0.66	2.88	36.66
1909	5.05	6.22	3.31	4.56	3.69	3.11	1.68	4.53	5.26	1.28	2.89	2.52	44.10

RAINFALL AT MONTAGUE, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1910	5.94	4.83	1.54	3.12	2.68	3.10	1.84	1.68	3.19	1.01	3.55	2.08	34.56
1911	2.58	2.26	4.44	2.02	1.62	2.60	2.72	6 64	3.63	7.58	3.52	3.18	42.79
1912	3.97	1.85	5.50	2.85	4.20	1.97	1.82	3.64	3.08	2.21	4.11	4.16	39.36
1913	3.61	2.53	5.35	2.79	3.77	0.67	1.02	2 47	2.83	3.05	2.99	2.20	33.28
Av.	3.18	2.68	3.72	2.74	3.14	3.05	3.46	3.94	3.75	3.02	3.00	3.16	38.84

RAINFALL AT NANTUCKET, MASS. Elevation, 15 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1847	0.90	...	3.00	0.45	1.25	4.79	2.31	1.55	4.41	0.91	3.91	6.15	....
1848	2.58	3.74	1.60	0.45	4.43	1.67	1.70	0.72	3.79	6.54	3.25	4.13	34.60
1849	0.08	0.50	2.67	1.36	2.03	2.69	2.74	0.21	1.55	6.87	3.60	2.78	27.08
1850	6.69	2.99	8.87	2.85	5.17	2.42	1.01	2.27	2.57	1.96	1.79	4.26	42.85
1851	1.58	3.70	2.00	4.64	6.22	2.05	2.12	2.67	2.42	6.15	3.90	4.37	41.82
1852	5.59	0.75	0.83	7.52	3.17	1.08	1.78	4.46	2.93	2.06	2.89	6.71	39.77
1853	2.38	5.75	3.94	4.25	3.78	5.01	1.72	3.85	0.94	2.64	4.77	2.97	42.00
1854	2.10	4.89	1.16	5.95	2.48	2.02	4.83	2.19	7.80	3.11	5.84	5.06	47.43
1855	4.50	3.04	3.84	8.49	5.87	4.77	2.16	1.51	1.21	4.13	3.11	6.30	48.93
1856	3.75	2.03	1.35	3.00	2.90	5.39	1.47	1.16	5.20	2.03	3.61	3.81	35.70
1857	6.75	2.21	3.97	5.96	4.87	2.90	3.07	7.03	2.51	3.25	2.22	5.14	49.88
1858	4.41	1.63	2.80	4.33	2.43	1.98	4.56	4.26	2.46	3.58	3.71	5.78	41.93
1859	7.96	4.27	4.63	3.01	4.15	5.68	2.77	3.45	3.30	3.16	1.37	4.60	48.35
1887	2.97	3.97	2.84	6.23	1.75	2.12	2.10	4.35	1.99	1.81	2.54	4.60	37.27
1888	3.48	1.50	3.14	1.43	7.87	1.51	3.68	0.87	7.30	4.99	6.49	3.45	45.71
1889	5.03	4.23	5.46	4.02	2.26	3.45	2.92	11.05	3.12	6.58	7.80	2.07	57.99
1890	3.52	2.72	6.07	1.17	2.48	3.49	2.90	2.81	8.33	6.72	0.89	2.70	43.80
1891	4.51	3.30	1.86	1.47	2.05	2.83	3.16	3.41	3.12	4.96	1.02	3.14	34.83
1892	2.23	1.46	5.88	2.76	2.57	1.81	0.91	1.79	2.01	1.66	7.63	1.67	32.38
1893	2.06	3.90	4.35	4.73	2.68	2.26	1.45	4.40	2.24	2.17	1.31	4.21	35.76
1894	3.14	3.11	1.89	2.24	1.88	0.81	0.29	1.20	1.90	10.05	2.80	5.83	35.14
1895	3.91	1.56	4.41	2.52	4.92	1.29	4.06	4.46	1.69	1.91	4.86	2.73	38.32
1896	1.57	2.67	5.97	0.62	2.35	2.43	4.12	1.38	2.06	5.03	2.29	2.68	33.17
1897	2.59	2.69	3.05	4.47	2.30	1.64	4.32	2.66	1.31	1.63	3.90	3.17	33.73
1898	2.76	1.87	2.56	2.97	3.53	0.63	2 93	2.20	0.83	3.69	5.15	2.22	31.34
1899	2.74	4.53	5.66	1.52	0.77	2.08	1.99	2.08	1.88	3.06	1.54	1.08	28.93
1900	3.20	4.86	2.95	2.61	1.65	1.50	1.89	1.56	2.59	2.57	3.96	1.88	31.22
1901	3.03	1.33	4.74	3.71	4.92	1.43	1.16	2.60	2.11	0.44	0.89	6.52	3 88
1902	2.75	2.87	4.55	2.23	0.74	6.34	1.76	0.27	2.35	4.25	1.96	5.90	35.97
1903	3.02	3.32	3.53	3.04	0.93	1.10	1.81	2.09	1.37	3.33	3.82	2.97	30.33
1904	5.98	3.86	2.11	4.08	2.39	2.38	2.09	2.25	0.78	1.01	3.29	4.67	34.89
1905	5.70	2.16	3.12	1.57	2.62	6.50	4.02	4.93	4.07	2.06	2.82	3.73	43.30
1906	4.93	3.94	7.41	2.17	2.36	1.21	4.50	6.93	2.72	2.33	1.84	4.58	44.92
1907	5.33	3.12	4.62	2.90	4.23	2.17	3.32	1.76	4.35	1.99	6.69	5.49	45.97
1908	3.78	3.71	2.74	3.55	1.27	1.66	1.00	4.28	2.98	4.97	0.95	4.89	35.78
1909	4.54	4.88	3.34	4.40	4.32	2.30	0.98	1.72	3.71	4.40	6.39	1.85	42.83
1910	6.90	3.41	2.74	2.95	3.36	6.06	4.18	2.67	0.61	4.72	3.46	4.33	45.39
1911	3.77	3.88	3.35	5.17	0.82	2. 6	3.20	8.03	3.34	2.57	6.30	3.76	46.75
1912	4.13	2.77	5.85	2.91	4.19	0.14	4.89	2.87	2.25	1.41	2.94	6.25	40.60
1913	5.57	4.44	3.17	2.19	1.71	1.59	0.58	3.26	7.76	6.49	1.91	3.21	41.88
Av.	3.88	3.12	3.72	3.37	3.09	2.59	2.57	3.12	2.96	3.65	3.47	3.98	39.52

RAINFALL AT NEW BEDFORD, MASS. Elevation, 100 feet.

1814–1875, Samuel Rodman; 1876–1905, Thomas R. Rodman; 1906–1907, Charles H. Adams; 1908–1913, L. J. Hathaway, Jr.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1814	1.42	8.30	2.16	5.46	4.23	2.27	0.99	6.44	3.06	1.73	5.37	1.65	43.08
1815	4.55	3.32	5.02	4.66	4.11	2.22	1.96	4.36	2.51	1.47	3.45	3.15	40.78
1816	2.12	6.82	2.47	5.50	6.15	2.33	1.01	1.46	6.05	3.96	5.56	0.70	44.13
1817	3.96	5.26	1.77	2.60	1.19	7.00	0.88	3.21	4.09	1.19	6.64	5.54	43.33
1818	3.31	0.91	3.31	3.94	6.79	3.51	3.32	1.66	5.52	2.84	3.35	2.31	40.77
1819	1.25	2.54	7.30	3.31	2.06	3.32	1.57	6.00	4.81	3.84	1.92	1.74	39.66
1820	1.46	5.02	4.44	1.23	5.41	0.46	3.71	4.38	2.01	6.22	3.75	3.23	41.32
1821	2.32	5.96	2.52	6.09	5.42	3.78	2.41	2.23	4.11	4.96	2.94	2.90	45.64
1822	3.29	3.70	3.31	4.76	0.58	2.58	5.14	3.51	6.05	2.97	3.62	2.27	41.78
1823	4.84	5.00	8.43	1.83	7.67	3.20	4.63	3.90	2.08	5.06	3.51	9.74	59.89
1824	3.84	5.32	3.61	5.74	2.68	3.14	2.44	6.21	4.88	2.55	3.54	3.39	47.34
1825	2.80	2.21	6.06	1.42	2.11	3.71	2.06	3.52	1.68	2.78	1.81	7.93	38.09
1826	2.19	3.85	4.08	2.92	0.73	2.11	2.44	18.72	1.44	7.47	4.50	4.32	54.77
1827	3.14	3.99	4.88	3.46	6.94	4.42	4.36	7.63	5.65	6.68	8.42	3.33	62.90
1828	3.02	3.25	4.31	3.48	3.91	4.04	3.02	1.15	3.63	3.62	5.16	0.45	39.04
1829	9.06	5.76	7.03	4.79	8.59	2.92	3.40	7.53	3.49	3.53	7.18	2.13	65.41
1830	4.20	3.07	4.77	2.25	6.63	3.71	12.00	6.22	5.20	3.54	6.18	6.89	64.66
1831	7.47	3.53	5.24	7.38	4.45	3.52	7.26	3.32	5.86	6.04	3.68	3.43	61.18
1832	3.98	5.36	3.02	3.41	6.55	0.41	1.69	8.30	3.00	2.64	4.43	6.52	49.31
1833	3.91	2.37	1.92	2.31	4.14	4.25	1.38	2.57	1.88	5.70	5.51	6.68	42.62
1834	2.76	1.61	1.95	2.94	4.74	7.30	3.42	1.81	5.63	5.25	4.23	3.48	45.12
1835	3.35	1.80	6.52	6.84	2.65	2.52	1.56	10.16	0.90	2.99	2.97	4.95	47.21
1836	9.53	4.62	3.78	2.78	1.76	4.93	1.90	1.12	1.28	2.58	4.53	4.02	42.83
1837	3.69	3.75	4.47	3.33	6.47	4.41	2.15	4.37	0.54	1.34	1.50	3.05	39.07
1838	3.00	2.41	2.90	2.15	3.02	2.84	1.55	2.99	6.71	5.38	4.36	0.97	38.28
1839	0.77	2.71	2.44	4.83	4.96	2.51	2.76	5.89	3.38	5.86	2.01	6.26	44.38
1840	3.25	2.68	3.99	4.56	5.82	3.69	2.14	2.88	3.07	6.93	7.52	3.06	49.59
1841	5.57	1.75	4.06	9.27	1.66	1.44	3.05	5.05	2.90	4.70	5.30	5.85	50.60
1842	2.47	4.34	2.89	3.77	3.17	7.40	1.34	1.97	2.00	0.86	3.06	5.79	39.06
1843	3.94	4.18	4.02	6.19	1.39	1.45	3.31	7.13	1.77	6.86	5.09	5.34	50.67
1844	4.19	2.18	6.65	1.79	2.60	0.90	3.08	2.49	4.15	4.56	4.01	4.13	40.73
1845	4.16	3.00	3.04	1.87	3.79	2.34	3.09	3.37	4.49	4.29	9.72	4.90	48.06
1846	3.09	2.57	1.74	1.20	6.40	0.99	2.61	3.07	2.48	1.68	3.80	4.88	34.51
1847	3.33	4.57	3.25	1.66	2.64	6.46	2.41	7.15	7.20	0.62	1.52	5.10	45.91
1848	3.75	4.22	2.89	1.46	3.88	2.99	4.04	1.16	1.89	5.43	3.30	5.73	40.74
1849	0.88	2.07	5.70	2.23	2.43	1.59	1.22	4.88	1.24	5.71	5.15	3.32	36.42
1850	5.87	2.22	6.05	9.25	4.49	1.23	2.26	6.29	12.06	2.62	2.82	7.51	62.67
1851	2.24	6.20	3.27	4.84	4.78	1.18	9.22	3.49	3.75	5.37	4.76	2.51	51.61
1852	3.91	3.57	5.50	7.86	3.50	1.71	2.55	5.49	2.01	2.03	3.66	4.35	46.14
1853	1.69	4.67	1.28	3.92	4.36	0.92	3.95	2.95	3.84	3.52	3.92	4.45	39.47
1854	1.99	5.67	2.15	6.83	3.56	3.02	7.44	0.24	8.37	1.48	9.66	3.40	53.81
1855	4.72	2.62	1.95	4.24	3.64	1.84	4.79	1.42	0.62	4.66	4.82	5.68	41.00
1856	5.18	1.27	1.64	3.20	3.96	2.12	3.32	2.81	4.56	1.89	3.26	3.88	37.09
1857	6.20	1.84	2.52	5.90	3.69	2.30	4.62	3.94	2.32	2.64	1.84	5.49	43.30
1858	2.46	1.28	2.28	4.39	2.02	5.16	6.75	5.05	3.02	3.20	3.84	4.58	44.03
1859	8.53	4.40	6.64	3.44	5.14	6.16	0.96	4.02	3.64	2.07	2.10	4.34	51.44
1860	1.37	3.50	2.82	2.86	2.80	3.26	2.96	5.00	5.24	1.82	3.44	4.65	39.72
1861	4.19	3.25	4.06	5.44	4.42	3.12	1.70	5.00	3.50	4.30	4.58	2.90	46.46
1862	3.27	3.88	2.80	1.66	2.86	8.05	3.06	1.20	3.98	5.62	4.47	2.46	43.31
1863	2.75	4.16	4.26	4.34	3.52	2.49	4.26	2.51	2.50	1.90	7.03	5.37	45.09

RAINFALL AT NEW BEDFORD, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1864	4.35	1.51	5.52	3.10	2.93	1.08	1.50	7.68	2.28	2.35	4.18	4.48	40.96
1865	5.51	3.92	4.90	3.24	6.36	1.66	5.15	1.21	0.26	4.93	4.47	4.40	46.01
1866	2.30	4.54	3.70	2.06	4.15	4.18	1.86	3.60	5.32	2.64	2.65	3.31	40.31
1867	2.84	5.08	5.58	3.18	3.85	2.36	6.03	5.70	2.44	3.96	1.99	4.10	47.11
1868	6.17	2.43	4.64	5.96	9.42	6.51	3.78	4.50	5.91	1.68	2.98	2.34	56.32
1869	3.97	5.34	6.22	1.42	5.92	4.45	1.62	2.76	2.62	6.75	2.30	6.56	49.93
1870	6.20	4.55	3.46	6.20	3.50	3.62	3.05	1.69	1.28	6.64	3.28	3.70	47.17
1871	3.26	3.28	4.86	3.93	2.68	5.39	1.92	6.35	2.24	6.38	6.98	2.34	49.61
1872	2.64	2.42	5.33	2.27	3.51	2.68	6.40	4.04	4.58	5.79	3.58	4.42	47.66
1873	7.24	4.93	2.89	3.98	4.95	1.44	1.22	4.16	3.17	5.34	6.32	6.06	51.70
1874	4.27	4.27	1.59	8.57	5.11	3.70	3.84	7.66	2.94	0.55	3.49	3.34	49.33
1875	3.78	3.67	7.86	4.04	4.20	4.98	4.00	4.60	2.38	3.02	4.85	0.94	48.32
1876	1.02	4.85	5.54	3.85	1.68	0.73	3.86	1.23	4.40	1.52	8.42	5.09	42.19
1877	3.06	1.79	9.42	3.13	2.92	2.36	4.93	3.39	0.83	7.66	6.60	0.95	47.04
1878	5.97	4.05	4.77	4.94	2.91	2.97	2.36	5.38	1.04	5.93	5.74	4.49	50.55
1879	3.42	3.00	5.56	5.12	1.83	2.78	3.59	4.37	3.18	1.19	3.55	4.72	42.31
1880	2.06	2.97	4.85	3.49	1.37	1.96	6.59	5.62	1.68	3.11	2.44	3.92	40.06
1881	4.14	5.83	4.74	1.79	2.39	5.14	1.65	0.79	3.29	1.52	5.78	2.04	39.10
1882	4.14	6.23	2.48	4.06	4.74	1.70	1.52	0.89	6.26	4.00	1.91	3.45	41.38
1883	4.73	4.67	2.08	2.93	3.60	1.46	6.92	0.85	2.74	6.36	3.28	3.89	43.51
1884	4.85	5.72	5.29	5.17	3.33	5.38	4.80	8.49	0.98	1.63	3.55	5.80	54.99
1885	5.20	2.76	1.49	2.66	3.15	4.06	1.17	4.23	1.85	4.04	3.16	3.04	36.81
1886	6.77	7.05	5.09	2.19	4.39	1.99	2.69	2.76	2.15	4.23	3.76	6.78	49.85
1887	6.02	6.25	5.83	5.45	2.24	3.15	3.61	6.68	1.71	3.95	2.60	4.28	51.77
1888	4.38	2.63	5.66	2.42	5.57	1.45	5.17	4.89	9.52	2.66	7.39	3.33	55.07
1889	5.79	2.92	2.83	4.31	5.14	3.83	5.44	5.73	3.87	4.11	6.07	2.67	52.71
1890	2.66	2.36	9.77	4.09	6.73	5.90	1.91	3.82	7.55	10.09	1.32	5.49	61.69
1891	8.36	7.00	5.81	2.78	2.44	1.55	1.97	2.09	2.31	6.97	3.17	3.38	47.83
1892	4.48	2.34	5.78	2.31	5.46	2.23	1.72	4.58	3.65	1.86	6.78	1.64	42.83
1893	2.70	6.90	6.18	5.13	4.49	3.00	2.40	4.26	3.38	2.45	2.63	6.75	50.27
1894	4.85	5.18	1.84	4.99	4.46	0.90	0.74	2.18	2.83	7.64	4.55	5.73	45.89
1895	4.04	1.17	4.72	4.22	3.39	3.01	4.91	3.02	1.50	4.29	4.52	2.84	41.63
1896	2.03	4.43	5.97	1.24	3.91	4.98	2.90	3.79	8.87	3.40	2.60	3.61	47.73
1897	3.57	2.53	2.79	4.30	6.07	2.48	3.85	8.57	0.88	1.42	9.74	4.36	50.56
1898	5.78	5.28	3.50	5.29	6.82	0.94	6.04	7.68	1.28	9.83	7.98	2.18	62.60
1899	5.30	5.31	7.35	2.08	1.21	3.72	3.97	2.29	6.50	3.51	1.11	1.99	44.34
1900	5.24	4.62	3.73	2.66	5.31	1.12	2.57	1.63	4.19	6.58	4.65	2.69	44.99
1901	2.66	1.26	7.85	7.08	8.57	1.79	3.22	2.24	3.31	2.12	1.69	10.05	51.84
1902	2.38	5.78	6.91	3.72	1.36	2.48	3.21	2.09	3.92	6.19	1.85	5.53	45.42
1903	4.77	4.52	8.02	5.77	0.81	4.13	2.22	4.47	1.71	4.15	3.57	3.35	47.49
1904	4.99	4.65	2.38	8.84	3.55	5.46	2.22	6.15	2.92	1.36	2.29	5.27	50.08
1905	3.73	2.10	2.88	1.61	1.65	6.77	2.29	4.63	6.36	1.96	3.02	4.30	41.30
1906	3.66	4.21	5.73	2.51	3.51	3.32	4.72	2.26	5.14	3.11	3.16	1.75	43.08
1907	3.35	1.95	3.36	3.25	6.33	2.66	1.09	1.07	7.30	2.52	5.80	6.83	45.51
1908	4.16	4.66	3.60	1.75	4.02	1.69	2.02	5.29	1.27	7.54	1.45	4.43	41.88
1909	4.39	6.44	3.52	6.09	3.50	1.83	0.67	2.27	3.99	1.99	4.73	3.21	42.63
1910	5.65	5.59	1.59	1.86	3.25	4.26	2.49	2.64	1.38	2.03	4.11	3.17	38.02
1911	3.71	2.73	3.22	4.09	0.97	1.92	5.32	4.03	2.46	2.33	7.22	4.12	42.12
1912	4.97	3.69	8.40	3.45	4.67	0.10	1.03	5.49	2.30	1.19	3.82	6.65	45.76
1913	4.82	4.09	3.61	4.59	1.64	0.85	1.97	4.26	2.35	10.09	2.62	4.68	45.57
Av.	4.01	3.88	4.34	3.95	3.96	3.07	3.23	4.17	3.52	3.94	4.25	4.15	46.47

RAINFALL AT NEW BEDFORD, MASS. Elevation, 60 feet.

(Old Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	6.47	7.49	4.76	2.17	3.99	1.98	2.83	2.74	2.31	4.47	4.19	6.67	50.07
1887	7.18	5.64	4.74	4.98	2.27	3.22	2.92	4.94	1.81	3.73	2.63	4.05	48.11
1888	5.04	2.97	5.78	2.77	5.95	1.00	4.67	5.02	9.31	3.07	7.24	3.50	56.32
1889	5.91	2.75	2.69	4.22	5.40	3.52	7.57	3.58	4.12	3.88	6.59	2.62	52.85
1890	2.78	2.85	8.53	3.65	6.52	5.53	1.98	3.75	7.73	9.73	1.30	5.02	59.37
1891	9.17	5.78	5.61	2.89	2.22	1.63	2.17	2.17	1.97	6.41	3.07	3.71	46.80
1892	4.33	2.22	5.36	2.29	5.15	2.21	1.91	3.82	3.54	1.85	6.52	1.50	40.70
1893	3.78	8.15	6.08	6.07	5.06	3.13	1.96	5.22	3.31	2.61	3.07	6.67	55.11
1894	5.13	4.49	1.88	4.30	4.60	0.77	0.80	1.98	2.91	7.63	4.25	5.84	44.58
1895	3.85	0.83	4.49	4.57	4.23	3.54	4.84	2.51	2.26	4.04	4.99	2.63	42.78
1896	2.19	4.33	5.72	1.23	3.82	4.82	2.58	3.58	7.76	3.46	2.93	3.63	46.05
1897	3.73	2.69	2.81	4.28	5.81	2.86	4.30	7.56	1.01	1.55	9.43	4.62	50.65
1898	5.50	5.88	3.52	5.36	6.40	1.40	5.74	7.32	2.24	10.14	8.28	2.41	64.19
Av.	5.00	4.31	4.77	3.75	4.72	2.74	3.41	4.17	3.87	4.81	4.96	4.07	50.58

RAINFALL AT NEWBURYPORT, MASS. Elevation, 80 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	7.76	6.75	3.29	1.86	3.72	1.58	3.05	2.80	3.32	3.12	4.31	5.80	47.36
1887	5.82	6.18	5.24	4.99	1.34	2.34	4.35	7.57	1.76	3.10	3.90	3.62	50.21
1888	5.13	4.65	6.25	3.54	5.58	1.59	2.54	5.35	8.47	5.66	6.74	4.76	60.26
1889	5.89	2.30	2.90	3.55	4.13	4.35	6.79	2.89	2.82	4.71	8.15	3.52	52.00
1890	2.85	4.27	6.94	1.78	6.08	3.43	2.90	4.83	3.39	7.20	1.52	5.51	50.70
1891	6.86	4.83	4.51	2.10	2.39	3.79	3.67	2.04	1.66	4.32	2.34	3.27	41.78
1892	4.70	2.67	3.65	0.60	5.71	4.86	1.37	4.01	1.94	1.32	5.50	0.93	37.26
1893	1.23	5.56	2.31	1.71	4.70	1.46	1.34	3.72	0.30	2.75	2.31	5.03	32.42
1894	3.42	2.50	1.11	0.80	3.77	0.15	3.96	0.48	4.54	3.76	1.15	2.39	28.03
Av.	4.85	4.41	4.02	2.33	4.16	2.62	3.33	3.74	3.14	3.99	3.99	3.87	44.45

RAINFALL AT NEWTON, MASS. Elevation, 100 feet.

(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1908	3.54	3.67	3.59	1.58	4.56	1.05	3.74	4.71	0.72	3.23	0.96	2.88	34.23
1909	3.79	5.11	3.88	4.01	2.06	2.95	1.40	3.11	5.07	1.13	3.65	3.07	39.23
1910	5.60	4.03	1.40	2.43	1.51	4.67	1.65	1.08	2.19	1.32	4.63	2.12	32 63
1911	2.50	3.02	2.90	2.74	0.47	3.44	4.72	5.20	3.15	2.84	4.27	3.51	38.76
1912	2.84	2.35	5.13	3.84	4.39	0.53	4.33	3.06	1.65	1.86	2.81	4.99	37.78
1913	2.76	3.24	5.17	4.60	3.59	0.95	1.89	3.33	3.29	6.65	2.21	3.14	40.82
Av.	3.51	3.57	3.68	3.20	2.76	2.27	2.95	3.41	2.68	2.84	3.09	3.28	37.24

RAINFALL AT NORFOLK, MASS. Elevation, 244 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	2.89	2.47	4.26	3.76	0.70	5.88	3.65	4.00	1.61	4.58	1.29	2.99	38.08
1904	4.05	2.92	3.23	8.54	1.80	2.23	1.59	2.86	6.67	2.73	1.60	2.60	40.82
1905	3.39	1.42	1.34	2.00	1.16	5.47	1.04	3.07	5.57	0.96	1.30	3.22	29.94
1906	2.72	2.70	4.40	1.74	5.48	2.04	7.05	2.53	3.53	7.52	2.03	1.87	43.61
1907	3.74	1.64	1.29	2.85	2.64	2.52	0.89	0.95	8.70	3.81	5.60	4.32	38.95
1908	3.80	5.05	3.53	1.69	5.58	1.36	4.42	4.44	1.20	2.85	0.96	2.63	37.51
1909	2.89	4.40	2.50	3.04	1.84	3.52	0.99	3.76	4.57	1.50	2.07	3.32	34.40
1910	4.30	2.62	1.20	1.52	1.74	4.06	2.29	0.83	2.21	1.84	5.91	4.05	32.57
1911	4.61	3.66	3.55	3.06	1.63	2.91	4.30	8.34	5.72	4.88	5.46	2.71	50.83
1912	3.34	1.52	**5.89**	3.28	4.97	0.32	3.13	3.38	0.78	3.07	3.42	6.13	39.23
1913	3.36	3.63	4.55	5.33	2.76	1.41	4.51	3.60	4.37	7.38	3.00	3.32	47.22
Av.	3.55	2.91	3.25	3.35	2.76	2.88	3.08	3.43	4.08	3.74	2.97	3.38	39.38

RAINFALL AT NORTH ADAMS, MASS. Elevation, 1 200 feet.
(Notch Brook Reservoir.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	3.95	6.54	3.42	2.03	2.87	3.75	4.63	4.39	1.20	2.80	3.59	1.69	40.86
1901	1.85	1.15	4.07	6.15	5.46	2.20	4.69	6.83	3.41	2.30	2.29	7.42	47.82
1902	1.85	2.03	5.10	6.40	2.17	4.96	4.72	4.01	3.89	4.46	0.99	5.75	46.33
1903	1.68	3.86	4.64	1.74	0.63	9.16	3.38	7.64	1.56	3.55	1.92	4.02	43.78
1904	3.80	2.13	3.34	3.64	2.78	4.09	2.04	4.53	5.43	2.28	1.40	2.54	38.00
1905	4.14	1.16	2.39	2.14	1.70	3.87	3.95	5.62	5.19	1.88	2.49	3.34	37.87
1906	2.59	2.82	3.93	3.02	4.58	2.69	5.90	3.67	1.91	3.18	2.11	3.04	39.44
1907	2.98	3.09	1.48	1.83	2.47	3.35	3.15	1.00	6.48	8.00	3.36	3.75	40.94
1908	2.14	6.11	2.09	1.98	4.63	2.23	5.02	3.70	0.60	1.22	0.24	3.00	32.96
1909	4.50	4.38	3.43	4.22	2.90	4.14	1.78	4.76	3.98	1.49	2.10	2.13	39.81
1910	4.78	5.35	1.01	3.08	3.92	3.88	2.17	1.87	3.97	1.52	3.43	2.29	37.27
1911	3.36	2.02	4.72	1.34	2.24	3.75	2.45	5.19	5.19	6.26	3.47	2.70	42.69
1912	2.59	1.10	4.96	3.82	2.83	**1.72**	2.49	1.66	2.49	4.57	2.89	2.15	33.27
1913	2.69	1.65	5.55	2.65	3.63	1.10	3.47	1.63	2.85	4.44	2.70	2.79	35.15
Av.	3.06	3.10	3.58	3.15	3.06	3.63	3.56	4.04	3.44	3.42	2.36	3.33	39.73

RAINFALL AT NORTH ADAMS, MASS. Elevation, 1 000 feet.
(Broad Brook Reservoir.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1900	4.52	5.76	4.67	1.82	2.50	3.72	4.72	7.50	1.48	3.94	4.95	2.87	48.45
1901	1.54	0.58	4.75	6.03	5.10	2.28	4.47	8.64	3.79	2.12	2.00	6.60	47.90
1902	1.75	1.93	5.67	5.54	3.94	6.66	5.52	4.15	3.71	3.97	1.64	5.45	49.93
1903	2.78	4.00	4.21	2.36	0.65	10.11	4.18	7.96	1.41	5.08	2.25	2.58	47.57
1904	3.36	1.63	3.01	**3.72**	2.92	7.00	3.52	5.49	6.28	3.54	1.56	2.10	44.13
1905	3.91	1.58	3.71	1.93	1.61	5.56	4.87	5.08	4.47	2.28	2.54	3.72	41.26
1906	2.23	2.42	3.31	3.74	5.57	4.20	6.13	3.21	2.08	3.15	2.22	2.53	40.79
1907	3.45	1.17	1.65	2.54	2.37	2.53	4.75	1.34	6.39	6.20	3.54	3.32	39.25
1908	1.93	3.11	1.76	7.69	4.22	3.53	5.99	3.40	0.48	1.82	0.98	2.40	37.31
1909	3.52	4.03	2.31	1.78	3.07	3.32	1.15	5.49	4.23	1.16	1.86	2.03	33.95
1910	5.41	4.03	1.21	2.99	5.54	2.77	2.27	1.83	4.84	1.60	3.16	2.26	37.91
1911	3.62	1.22	3.75	1.67	1.48	3.95	1.80	4.48	4.36	4.85	3.56	2.87	37.61
1912	2.49	1.61	3.89	3.62	5.93	2.06	2.80	4.23	2.09	5.11	3.23	4.37	41.43
1913	3.83	2.98	6.80	2.76	2.86	1.21	4.77	1.31	3.05	4.28	2.62	2.48	38.95
Av.	3.17	2.57	3.62	3.44	3.41	4.21	4.07	4.58	3.47	3.51	2.58	3.26	41.89

RAINFALL AT NORTHAMPTON, MASS. Elevation, 125 feet.

(Hancock Street.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1881	4.06	3.84	5.11	1.87	5.26	4.43	2.79	3.31	2.15	3.39	4.79	5.70	46.70
1882	4.65	4.44	3.69	1.76	6.05	2.59	2.38	0.75	12.41	1.59	0.99	2.31	43.61
1883	3.03	4.39	1.84	2.75	5.71	3.38	4.59	1.43	3.20	4.83	1.95	3.37	40.47
1884	4.80	6.09	5.68	2.65	2.74	2.04	5.80	6.89	0.82	3.49	4.16	6.41	51.57
1885	4.66	3.21	1.07	3.52	2.33	3.66	2.38	7.98	1.12	5.32	6.99	3.97	46.21
1886	5.61	4.33	3.32	3.57	3.46	2.33	5.17	2.07	6.23	3.85	6.32	4.21	50.47
1887	6.66	5.85	5.33	4.32	1.73	4.91	8.91	6.73	1.74	2.35	3.83	5.51	57.87
1888	4.68	4.96	5.75	4.07	5.27	6.69	2.78	5.11	13.43	5.95	5.41	4.59	68.69
Av.	4.77	4.64	3.97	3.06	4.07	3.75	4.35	4.28	5.14	3.85	4.31	4.51	50.70

RAINFALL AT NORTHAMPTON, MASS. Elevation, 350 feet.

(Leeds.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1883	3.21	4.23	2.46	3.12	5.15	2.45	4.08	1.79	2.90	4.79	1.84	3.16	39.18
1884	4.98	5.81	5.27	2.75	3.48	1.75	5.30	7.36	1.18	2.23	3.45	6.41	49.97
1885	4.66	4.42	1.14	3.71	1.53	3.50	2.61	7.14	0.93	5.18	6.84	2.42	44.08
1886	6.06	2.71	3.28	3.24	3.77	2.23	3.64	2.05	6.01	3.97	5.66	3.66	46.28
1887	6.60	5.69	5.60	4.21	1.90	5.07	7.70	8.92	1.56	2.59	3.31	6.40	59.55
1888	5.93	4.77	7.71	3.37	6.04	4.00	3.35	5.77	11.00	5.78	5.72	3.29	66.73
1889	4.46	1.81	1.53	2.63	4.00	7.17	9.44	2.62	5.16	4.15	7.30	3.29	53.56
1890	2.98	4.53	5.81	1.96	5.43	2.11	6.24	5.86	6.75	7.91	1.42	3.25	54.25
1891	8.34	4.47	3.83	4.85	2.32	6.04	5.52	3.81	2.82	2.76	2.80	4.72	52.28
1892	5.28	2.29	2.68	1.14	6.19	4.23	3.79	6.72	2.15	0.62	4.93	3.38	43.40
1893	0.83	6.35	3.15	3.31	8.29	2.72	1.58	5.51	2.23	5.57	2.80	4.79	47.13
1894	2.26	3.97	1.16	1.96	6.62	1.52	0.80	0.26	4.36	6.57	3.25	4.64	37.37
1895	3.38	1.29	2.12	5.12	1.88	4.04	4.40	3.31	3.27	6.71	4.00	4.93	44.45
1896	1.99	6.70	11.45	1.87	2.58	2.94	4.72	3.74	6.19	2.97	3.87	1.04	50.06
1897	3.75	3.52	3.48	2.32	4.34	6.56	12.36	4.89	2.24	0.88	5.66	5.46	55.46
1898	6.41	4.45	2.44	4.36	7.04	4.77	3.57	6.87	3.22	7.49	6.54	3.84	61.00
1899	3.34	3.80	7.77	1.93	1.61	5.54	7.00	3.03	6.87	2.41	2.39	2.65	48.34
1900	3.65	8.70	5.00	1.85	5.03	2.27	3.59	4.17	1.84	3.46	5.91	2.95	48.42
Av.	4.34	4.42	4.21	2.98	4.29	3.83	4.98	4.66	3.93	4.22	4.32	3.90	50.08

RAINFALL AT NORTHBRIDGE, MASS. Elevation, 350 feet.

(Whitinsville.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1872	1.80	1.28	3.51	1.52	2.88	4.10	5.40	8.08	5.48	3.32	4.05	3.28	44.70
1873	1.66	4.62	2.04	3.18	4.20	0.20	2.96	5.96	2.98	6.22	3.88	4.50	42.40
1874	4.46	4.08	1.42	6.70	2.96	3.48	4.24	5.36	1.68	0.68	2.20	2.39	39.65
1875	2.46	4.58	4.50	4.08	2.80	4.66	2.64	4.00	2.26	4.74	4.98	0.88	42.58
1876	1.56	3.92	9.64	4.92	2.56	1.90	5.38	0.68	4.38	2.20	5.44	3.56	46.14
1877	3.48	1.26	9.88	2.98	3.58	3.28	1.40	8.64	0.36	8.68	7.08	1.12	51.74
1878	6.53	4.34	4.60	5.58	0.96	3.85	3.34	4.96	1.18	5.60	6.62	6.10	53.66
1879	2.15	4.06	4.28	5.96	1.60	4.68	3.30	6.40	1.72	0.48	2.60	3.58	40.81
1880	3.62	4.24	3.00	3.12	1.50	1.32	4.32	4.18	1.94	3.34	1.80	2.32	34.70
1881	5.60	5.36	6.48	2.12	2.25	4.40	2.46	1.14	1.70	3.72	3.41	4.06	42.70

RAINFALL AT NORTHBRIDGE, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1882	5.28	4.52	3.00	2.36	4.76	1.40	1.64	1.48	7.80	2.14	1.24	2.72	38.34
1883	3.40	4.32	2.04	1.80	5.55	2.11	1.81	0.87	1.81	5.93	2.04	2 89	34.57
1884	6.63	6.76	5.16	5.17	3.31	4.89	3.22	4.59	1.04	2.88	2.65	5.78	52.08
1885	5.49	4.76	1.20	3.21	4.14	1.74	0.91	7.34	1.97	4.69	4.08	3.50	43.03
1886	5.81	7.14	3.70	3.34	3.49	1.73	4.37	4.35	3.58	3.26	5.05	5.36	51.18
1887	6.64	5.34	5.52	3.39	1.54	2.68	5 56	5.72	1.48	3.12	2.66	5.26	49.11
1888	4.76	4.51	7.50	3.10	4.79	2.15	1.54	5.67	8.23	5.11	7.17	5.42	59.95
1889	7.09	1.78	2.01	3.90	2.72	4.08	10.51	4.78	4.41	5.05	5.95	3.04	55.32
1890	2.71	3.38	8.27	2.87	5.00	2.27	2.02	5.63	4.98	9.94	1.03	5.66	53.76
1891	7.95	5.36	6.46	3.16	1.75	3.14	3.91	3.65	2.51	4.13	3.30	3.93	49.25
1892	5.71	2.01	3.40	0.83	6.76	4.75	4.64	7.51	2.73	1.41	6.89	1.26	47.90
1893	3.60	7.90	4.59	3.65	7.14	2.49	1.02	4.56	1.69	5.79	2.54	4.95	49.92
1894	3.66	3.60	1.79	3.49	4.01	0.95	1.83	3.55	2.29	5.11	3.69	3.81	37.78
1895	3.87	0.95	2.91	3.92	2.55	3.21	3.26	4.16	2.86	9.87	6.23	3.01	46.80
1896	2.04	5.94	6.01	0.88	1.79	4.01	2.40	2.66	6.92	3.28	3.14	1.50	40.57
1897	2.88	2.83	4.01	2.56	3.92	3.41	6.56	4.46	1.81	0.52	6.62	5.08	44.66
1898	3.59	4.22	2.23	4.15	3.59	2.95	8.98	5.82	3.18	6.29	5.66	2.80	53.46
1899	3.83	3.21	5.50	2.08	1.27	3.22	4.31	1.19	4.40	2.32	2.54	1.72	35.59
1900	4.16	7.92	6.31	2.56	4.70	5.02	3.32	3.00	3.02	4.11	5.82	2.69	52.63
1901	1.61	0.90	6.56	8.12	6.56	1.67	4.70	6.85	4.61	2.67	2.62	8.69	55.56
1902	2.34	4.07	4.31	2.94	1.78	2.78	3.42	3.28	4.58	4.94	0.92	6.28	41.64
1903	3.94	4.11	6.48	3.34	0.78	9.04	3.56	4.54	1.14	4.41	1.55	3.13	46.02
1904	3.92	2.49	2.95	8.47	1.82	2.76	3.47	4 84	5.69	1.74	1.72	2.99	42.86
1905	4.07	1.66	2.65	3.07	1.15	5.15	4.26	3.81	6.38	1.85	2.53	3.60	40.18
1906	2.60	2.77	5.58	3.28	6.40	3.09	4.62	1.93	3.68	5.59	2.57	4.13	46.24
1907	3.00	1.93	1.56	2.66	3.52	3.26	2.03	0.98	8.59	4.75	6.67	4.31	43.26
1908	3.53	5.04	3.83	2.20	5.02	2.04	3.66	6.57	1.04	2.46	1.04	3.26	39.69
1909	3.08	5.55	3.90	4.56	2.76	2.39	2.30	3.28	5.35	1.20	2.84	3.83	41.04
1910	6.36	4.43	0.76	2.19	1.33	4.97	1.66	1.83	1.94	1.71	4.09	2.23	33.50
1911	3.04	2.24	3.44	2.87	2.46	1.70	3.39	5.77	5.00	3.78	5.01	3.58	42.28
1912	2.42	2.50	6.79	4.08	4.93	0.56	3.68	3.22	1.33	2.22	3.82	5.28	40.83
1913	3.85	2.78	6.07	4.52	3.62	1.61	2.81	4.93	3.80	7.00	2.95	3.08	47.02
Av.	3.96	3.92	4.42	3.55	3.34	3.07	3.59	4.34	3.42	4.00	3.78	3.73	45.12

RAINFALL AT PEABODY, MASS. Elevation, 75 feet.
(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	3.07	3.42	6.11	4.70	0.26	9.06	2.89	3.78	2.21	3.30	1.18	2.56	42.54
1904	4.29	2.76	2.38	9.59	4.76	3.95	0.89	2.99	5.39	2.26	1.51	2.11	42.88
1905	3.69	1.28	2.23	2.53	1.32	6.75	0.89	2.92	7.52	1.30	2.56	3.89	36.88
1906	2.73	2.44	4.89	2.59	5.20	3.47	5.29	2.01	2.16	3.78	3.27	4.70	42.53
1907	2.91	1.96	2.12	3.80	3.26	2.98	3.04	1.42	3.04	2.63	7.08	4.58	38.82
1908	2.96	4.29	3.32	2.35	4.80	1.07	4.02	4.37	0.65	4.45	1.57	2.64	36.49
1909	4.91	5.27	3 66	4.78	2.12	3.62	3.31	3.11	5.45	1.70	5.21	2.94	46.08
1910	4.15	4.63	1.60	2.64	1.95	5.02	2.61	1.37	2.70	1.85	3.91	1.56	33.99
1911	2.65	3.08	3.59	2.38	0.68	4.51	5.94	4.40	3.09	3.22	4.50	3.91	41.95
1912	2.89	2.82	4.52	4.27	5.37	0.24	4.07	2.18	2.54	1.70	3.30	4.54	38.44
1913	2.82	2.75	4.31	4.60	3.50	1.28	3.01	3.65	3.08	6.26	2.37	3.23	40.86
Av.	3.37	3.15	3.52	4.02	3.02	3.81	3.27	2.93	3.45	2.95	3.31	3.33	40.13

RAINFALL AT PITTSFIELD, MASS. Elevation, 1 050 feet.
(City Hall.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	2.29	1.40	1.85	4.17	2.32	2.35	4.34	2.38	3.62	2.23	4.33	3.83	35.11
1896	1.13	5.03	6.63	1.30	1.40	3.40	4.15	3.90	6.70	2.74	2.62	1.41	40.41
1897	3.52	2.46	3.16	3.67	3.66	5.01	12.19	4.61	1.28	1.55	7.05	5.77	53.93
1898	5.80	3.74	2.35	3.59	5.33	7.36	2.87	9.26	2.41	8.04	4.92	2.46	58.13
1899	2.42	3.07	6.55	0.87	2.51	2.82	8.84	2.56	5.82	1.56	1.77	2.60	41.39
1900	3.89	6.80	3.83	2.27	2.99	3.62	2.12	4.69	1.89	2.52	4.38	2.08	41.08
1901	1.28	0.78	4.96	5.97	6.56	1.38	3.30	7.52	4.80	1.84	2.80	7.07	48.26
1902	1.64	2.07	5.12	3.32	2.41	6.08	6.87	2.84	5.10	4.33	0.94	5.32	46.04
1903	2.76	3.92	4.83	2.04	0.82	11.38	4.27	5.49	1.03	4.78	2.32	3.33	46.97
1904	2.26	2.07	2.67	3.43	2.48	4.62	2.61	5.48	4.55	2.28	1.50	2.71	36.66
1905	4.64	0.95	3.50	1.79	1.33	4.29	4.80	6.08	4.43	2.88	2.37	2.49	39.55
1906	2.08	2.04	4.97	3.55	4.36	2.36	5.38	3.94	3.62	3.31	2.21	2.45	40.27
1907	3.25	1.72	1.13	2.07	3.27	4.61	2.37	1.58	7.90	7.13	3.34	3.99	42.36
1908	3.06	4.17	2.22	1.84	4.19	2.45	4.07	3.53	0.53	1.42	0.67	2.74	30.89
1909	4.09	4.13	4.50	3.56	1.85	3.30	1.76	6.38	3.58	0.96	1.77	2.74	38.62
1910	3.80	4.09	1.50	3.25	4.45	2.84	2.86	2.89	5.32	1.10	3.45	1.99	37.54
1911	2.91	1.48	3.51	2.00	0.66	4.37	1.83	5.91	3.39	5.41	2.87	2.95	37.29
1912	2.19	1.67	4.53	5.16	5.73	1.38	2.38	3.76	5.13	4.46	2.79	3.99	43.17
1913	3.67	3.21	5.77	3.16	3.13	1.06	2.22	1.50	2.30	5.27	2.84	3.00	37.13
Av.	2.98	2.89	3.87	3.00	3.13	3.93	4.17	4.44	3.86	3.36	2.89	3.31	41.83

RAINFALL AT PLYMOUTH, MASS. Elevation, 50 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	5.91	4.15	5.06	5.26	2.16	3.01	1.65	5.07	1.57	2.97	3.14	4.51	44.46
1888	3.87	3.47	4.91	2.06	4.87	0.67	3.34	5.14	6.67	3.49	7.86	3.93	50.28
1889	4.96	2.61	2.72	6.66	3.20	2.85	6.32	6.54	2.57	3.29	6.02	1.30	49.04
1890	2.38	3.60	10.14	3.50	5.37	3.41	1.17	3.01	6.20	9.38	0.69	3.61	52.46
1891	8.36	5.32	5.04	4.02	1.99	2.23	2.55	3.18	2.23	5.72	1.79	3.77	46.20
1892	3.79	3.72	5.15	1.26	3.91	2.12	1.81	4.16	2.41	2.29	7.12	1.77	39.51
1893	2.88	6.66	6.17	4.45	4.39	2.50	2.71	5.80	1.99	2.16	2.81	5.59	48.11
1894	4.26	4.85	1.56	3.97	4.35	1.54	1.08	1.87	2.37	7.91	4.98	5.78	44.52
1895	3.02	0.87	2.71	4.79	2.73	2.04	3.58	2.05	3.13	6.89	3.95	3.85	39.61
1896	2.75	4.73	5.81	0.88	2.93	3.59	2.27	1.74	5.65	3.60	3.41	2.95	40.31
1897	4.24	2.08	2.31	4.28	3.65	2.99	2.88	2.91	1.42	0.87	6.42	3.27	37.32
1898	3.75	4.04	2.27	5.82	5.65	1.93	6.58	7.33	1.35	8.96	8.48	2.24	58.40
1899	6.52	5.23	6.77	1.18	1.40	3.62	3.79	1.17	6.92	3.03	2.28	1.60	43.51
1900	4.86	5.35	3.62	1.95	5.11	2.29	1.37	3.28	3.10	5.40	5.36	3.15	44.84
1901	2.51	1.70	6.86	7.78	8.54	1.46	4.38	2.25	2.77	2.07	2.59	10.20	53.11
1902	2.22	5.53	7.82	2.98	1.52	3.68	1.89	1.43	3.65	5 32	1.72	6.77	44.53
1903	4.43	5.36	7.94	7.45	0.67	4.76	2.44	5.44	1.45	6.32	3.22	3.98	53.46
1904	5.44	3.61	2.47	9.11	2.23	2.58	4.02	3.52	3.18	1.85	3.53	4.10	45.64
1905	4.50	2.16	2.87	2.32	1.11	8.01	1.78	2.99	6.93	1.72	2.04	4.21	40.64
1906	4.05	5.33	8.69	2.34	5.28	2.36	6.42	2.02	2.98	4.50	3.45	3.13	50.55
1907	3.92	3.41	2.31	4.08	3.68	2.70	1.10	1.82	11.16	2.91	6.82	6.90	50.81
1908	3.78	4.37	3.95	2.48	2.98	2.30	2.87	4.41	1.61	10.19	1.53	4.28	44.75
1909	5.44	6.18	3.74	6.41	3.51	3.03	1.83	2.44	4.95	2.23	8.15	3.34	51.25
1910	5.98	5.82	1.05	2.51	2.27	3.82	2.71	2.32	1.81	1.94	5.69	2.96	38.88
1911	3.17	3.45	3.38	3.68	0.77	3.05	6.84	4.66	3.44	3.60	6.59	3.58	46.21
1912	4.88	4.00	7.51	3.87	4.71	0.39	2.32	3.50	1.49	1.26	3.83	6.16	43.92
1913	4.09	3.50	3.40	6.66	2.30	1.57	1.77	3.03	3.49	11.08	2.79	4.61	48.29
Av.	4.29	4.11	4.68	4.14	3.38	2.76	3.02	3.45	3.57	4.48	4.31	4.13	46.32

RAINFALL AT PRINCETON, MASS. Elevation, 1 125 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	8.35	2.94	1.21	2.93	3.03	1.67	4.23	6.89	1.40	4.66	6.69	1.91	45.91
1886	5.28	5.32	3.54	2.85	3.80	1.86	4.49	3.18	3.93	2.97	5.55	4.21	46.98
1887	**5.45**	**4.57**	5.82	3.53	1.60	3.55	7.27	8.98	1.89	2.15	3.24	3.35	51.40
1888	**4.35**	**4.30**	**5.75**	2.87	4.08	3.39	2.62	5.14	6.38	5.67	6.22	5.52	56.29
1889	5.99	1.12	1.82	4.30	4.47	2.71	8.76	4.72	3.32	4.85	5.99	2.87	50.92
1890	**3.28**	2.60	**6.50**	2.28	4.58	2.02	4.38	5.90	5.57	10.04	1.48	**3.90**	52.53
1891	**7.70**	**3.60**	**5.92**	1.75	2.10	4.99	3.68	1.99	2.43	3.31	2.70	2.16	42.33
1892	**5.42**	**2.46**	**3.30**	0.64	5.08	3.04	4.20	7.33	1.63	**0.94**	...	...	....
1897	2.92	3.01	4.08	2.22	5.64	5.39	10.00	3.57	2.17	0.97	7.43	6.23	53.63
1898	5.54	2.90	2.27	4.21	3.53	3.02	2.68	9.96	3.05	7.60	6.01	4.47	55.24
1899	2.76	4.95	6.55	1.74	1.41	4.81	3.70	2.67	4.15	2.80	1.85	2.21	39.60
1900	4.64	8.59	5.47	2.58	4.65	3.28	2.86	3.75	3.73	3.40	6.32	2.90	52.17
1901	1.63	0.98	5.30	9.84	6.85	1.03	5.56	4.78	3.22	3.77	2.47	9.46	54.89
1902	3.10	4.20	4.84	4.43	2.98	3.09	3.96	3.62	4.30	6.56	0.92	7.39	49.30
1903	2.63	4.41	6.52	3.09	1.74	10.08	3.95	4.30	3.20	4.78	2.60	3.71	51.01
1904	3.25	2.70	3.67	7.27	2.93	3.51	3.83	3.91	5.68	1.95	1.57	2.61	42.88
1905	6.04	1.73	4.14	2.54	1.01	4.44	6.18	3.37	6.35	1.80	2.46	3.91	43.97
1906	2.61	2.60	5.08	3.26	6.31	5.64	5.83	5.48	2.54	3.85	2.28	4.20	49.68
1907	2.64	1.86	1.51	2.07	2.81	**3.54**	**3.03**	1.00	9.45	5.48	5.52	4.02	42.93
1908	3.11	4.66	2.27	2.56	5 25	1.28	3.52	6.77	0.84	2.01	0.89	2.79	35.95
1909	3.29	6.03	3.94	5.25	2.94	2.74	4.06	3.39	3.46	1.72	1.59	3.84	42.25
1910	5.43	4.64	1.39	3.44	3.28	4.23	1.82	3.45	2.86	1.36	4.23	2.21	38.34
1911	2.78	2.06	3.54	1.76	1.76	2.08	2.14	5.53	3.04	5.49	3.87	2.89	36.94
1912	2.46	2.18	5.52	3.92	5.94	0.70	2.56	3.34	2.39	3.00	3.83	5.10	40.94
1913	3.70	2.41	5.29	3.67	3.30	0.67	1.87	3.58	4.13	6.11	2.90	2.39	40.02
Av.'	4.12	3.51	4.25	3.52	3.58	3.32	4.29	4.55	3.74	4.01	3.69	3.93	46.51

RAINFALL AT PROVINCETOWN, MASS. Elevation, 40 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1882	...	...	4.55	4.70	5.96	2.73	1.43	0.78	6.39	4.49	3.69	5.57	....
1883	4.76	5.00	2.16	3.09	3.45	1.39	4.33	0.71	1.87	7.45	3.58	2.60	40.39
1884	6.58	7.34	6.77	8.31	...	...	...	...	...	..	...	...	....
1885	...	...	...	...	...	...	...	...	...	...	...	...	....
1886	...	...	...	...	3.89	1.24	0.72	...	...	...	...	...	....
1887	...	...	...	...	...	...	...	...	...	...	...	...	....
1888	4.29	2.74	3.61	1.86	3.94	1.60	2.12	3.62	6.96	3.98	4.45	3.08	42.25
1889	3.52	4.04	2.32	3.70	4.10	1.82	4.30	6.86	2.20	4.95	4.71	2.90	45.42
1890	...	2.92	6.96	3.14	2.99	3.46	1.76	2.81	7.62	6.78	...	3.48	....
1891	6.71	4.54	3.69	3.28	1.69	2.14	2.71	3.93	2.77	5.82	1.52	3.15	41.95
1892	3.42	1.88	4.48	1.37	3.64	2.07	1.30	3.70	2.21	2.36	5.77	1.68	33.88
1893	1.63	5.37	4.79	3.27	3.08	5.50	1.71	4.37	3.03	1.59	2.47	5.58	42.39
1894	3.98	2.67	1.28	3.22	3.51	0.70	0.46	1.44	1.90	5.69	3.17	4.88	32.90
1895	3.08	1.07	3.90	3.08	3.47	...	...	...	...	...	...	...	....
1898	3.60	4.53	2.12	...	3.12	0.81	6.26	5.84	0.93	...	...	...	....
1899	...	...	4.31	0.57	1.06	4.41	4.23	0.10	4.85	...	...	0.93	....
1900	3.74	3.58	3.17	1.92	...	...	1.72	2.03	3.24	4.02	3.87	1.53	....
1901	3.24	0.67	5.40	5.34	10.49	1.79	3.82	2.37	3.35	1.24	2.41	7.62	47.74
1902	2.46	3.62	6.35	2.58	1.28	4.05	2.04	0.67	1.73	3.88	1.96	6.53	37.15
1903	4.15	3.48	6.41	4.40	0.56	3.52	2.48	3.64	1.62	5.47	4.39	3.22	43.34
1904	4.62	4.48	1.52	5.56	2.50	1.65	3.02	2.23	2.25	1.99	3.10	2.94	35.86

RAINFALL AT PROVINCETOWN, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1905	5.31	1.19	2.45	1.79	1.04	2.26	1.79	2.77	4.78	1.50	3.07	3.29	31.24
1906	3.77	3.86	6.80	1.56	4.46	3.26	3.42	1.92	2.14	3.04	2.78	3.02	40.03
1907	4.20	2.99	1.55	2.44	3.81	1.75	1.24	1.59	7.63	3.31	5.11	4.72	40.34
1908	3.09	4.55	4.53	2.12	2.60	1.92	1.75	3.41	1.21	7.47	1.65	2.83	37.13
1909	5.18	4.69	3.78	4.92	3.08	0.69	0.97	1.80	4.75	2.86	5.51	3.06	41.29
1910	6.33	3.43	1.81	3.08	2.19	3.25	1.81	4.42	1.47	2.20	3.45	2.75	36.19
1911	2.92	2.10	1.99	2.25	0.27	3.34	3.33	4.17	4.43	2.75	3.50	2.06	33.11
1912	6.44	1.97	6.01	3.96	3.87	0.93	1.87	3.06	2.45	1.59	3.00	5.20	40.35
1913	4.44	3.56	2.74	4.77	2.06	1.47	1.60	3.77	3.27	7.89	2.21	2.89	40.67
Av.*	4.22	3.34	3.68	3.23	3.08	2.26	2.31	3.02	3.10	3.85	3.39	3.70	39.18

* Twenty years.

RAINFALL AT READING, MASS. Elevation, 80 feet.
(Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	4.00	3.26	6.48	2.56	1.33	3.36	3.15	1.91	4.67	1.35	2.95	1.50	36.52
1900	5.32	8.69	5.03	2.15	4.60	3.13	1.90	3.17	4.15	3.31	5.05	2.44	48.94
1901	1.33	1.08	5.88	9.59	7.19	1.74	4.65	2.66	3.59	2.67	3.06	8.10	51.54
1902	1.80	6.11	4.69	6.22	1.69	1.98	3.02	3.75	4.01	4.91	0.99	5.60	44.77
1903	3.84	3.16	6.38	4.95	0.48	8.91	3.40	3.42	2.29	3.69	1.33	2.59	44.44
1904	4.42	2.21	2.21	9.90	3.56	2.56	1.88	4.26	5.16	2.02	1.80	2.25	42.23
1905	5.44	1.47	2.92	2.59	1.39	6.11	1.19	3.30	7.87	1.20	2.22	3.72	39.42
1906	2.60	2.53	6.48	2.84	5.14	2.63	5.88	4.18	1.36	2.38	3.31	3.08	42.41
1907	3.97	2.10	2.04	3.21	2.89	3.80	3.58	1.33	7.90	3.36	6.83	3.60	44.61
1908	3.07	4.28	2.72	1.71	4.00	1.58	3.01	4.07	0.86	3.56	1.10	2.66	32.62
1909	4.17	5.33	3.57	3.95	1.97	2.14	3.59	2.75	3.74	1.23	4.06	3.60	40.10
1910	4.54	3.14	1.58	2.32	1.19	4.36	1.98	2.61	2.45	1.48	4.30	1.92	31.87
1911	2.25	2.94	3.31	1.89	0.60	3.90	4.79	3.80	2.94	2.91	4.14	3.57	37.04
1912	2.72	2.42	5.04	4.05	5.73	0.29	6.44	2.02	3.02	1.45	3.10	4.80	41.08
1913	2.48	2.64	4.51	3.76	3.45	0.93	1.68	3.47	3.66	7.56	2.13	3.23	39.50
Av.	3.46	3.43	4.19	4.11	3.02	3.16	3.34	3.11	3.85	2.87	3.09	3.51	41.14

RAINFALL AT ROCHESTER, MASS. Elevation, 60 feet.
(Little Quittacas Pond, New Bedford Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	6.27	6.83	8.25	1.90	1.63	3.91	2.94	2.24	7.27	2.22	2.21	1.77	47.44
1900	4.96	6.10	4.25	2.27	5.59	1.41	2.28	1.76	3.05	5.46	3.95	2.70	43.78
1901	2.36	1.05	7.78	6.65	8.47	1.92	3.45	2.75	3.09	2.85	1.99	9.52	51.88
1902	2.22	5.88	6.27	3.85	1.05	4.10	2.06	1.29	3.65	4.78	1.72	5.14	42.01
1903	4.14	6.26	8.13	5.77	0.91	4.84	2.12	3.75	1.19	4.64	2.71	3.84	48.30
1904	2.83	4.04	2.42	9.28	3.40	4.38	1.68	4.38	2.66	1.86	2.36	3.34	42.63
1905	2.71	2.31	2.46	1.99	1.95	7.76	2.76	3.84	5.80	2.14	2.64	4.47	40.83
1906	3.88	4.86	7.58	2.62	5.01	3.86	4.89	1.71	3.62	3.35	2.87	3.62	47.87
1907	3.31	2.56	1.74	3.47	4.17	2.04	2.10	1.62	7.43	3.29	5.62	5.92	43.27
1908	2.54	4.35	3.74	2.14	4.22	2.07	2.36	4.94	1.47	8.04	1.41	4.46	41.74
1909	4.38	5.92	4.08	6.51	3.02	1.96	1.11	2.23	4.40	2.07	4.69	2.98	43.35
1910	2.49	5.19	1.24	2.25	3.19	4.56	2.89	2.42	1.65	2.46	4.43	3.12	35.89
1911	3.75	2.63	3.80	3.64	1.39	2.14	5.12	4.06	2.98	2.37	7.40	3.50	42.78
1912	5.32	3.74	8.11	3.67	4.13	0.28	1.14	4.88	1.96	1.40	4.27	6.62	45.52
1913	5.01	3.48	3.34	5.74	1.75	1.32	2.37	3.11	2.33	11.42	2.75	5.46	48.08
Av.	3.74	4.35	4.88	4.12	3.33	3.10	2.62	3.00	3.50	3.89	3.40	4.43	44.36

RAINFALL AT ROCKPORT, MASS. Elevation, 30 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	...	...	...	...	...	3.04	2.85	1.94	2.48	4.34	1.45	6.27	....
1903	3.69	3.28	6.83	3.85	0.35	7.66	2.66	2.59	3.04	2.72	1.45	3.78	41.90
1904	6.90	4.24	2.96	8.90	3.80	2.72	1.33	3.08	5.74	2.00	1.86	3.64	47.17
1905	5.51	2.49	3.28	2.93	2.27	6.78	1.86	2.99	6.61	1.51	2.98	5.29	44.50
1906	2.82	2.65	7.51	2.36	4.95	3.48	4.17	1.63	1.30	3.44	3.60	3.69	41.60
1907	3.52	2.98	1.95	3.64	2.68	2.92	3.06	1.23	8.96	2.88	5.25	4.30	43.37
1908	2.12	3.25	3.02	1.41	3.44	0.70	5.19	2.81	0.75	4.98	1.76	2.84	32.27
1909	5.54	4.38	3.50	4.50	1.99	0.96	2.35	2.03	4.95	1.71	3.43	4.17	39.51
1910	4.22	4.29	1.86	2.66	1.62	3.69	2.49	1.80	1.50	1.52	3.24	2.23	31.12
1911	2.15	2.91	3.17	2.36	0.63	2.68	9.02	3.52	2.64	2.37	4.54	3.28	39.27
1912	4.14	2.34	4.03	2.18	3.65	0.39	5.78	1.68	2.07	2.21	3.03	4.79	36.29
1913	2.09	3.58	4.39	4.73	2.98	2.02	1.92	2.09	2.64	4.81	1.55	3.33	36.13
Av.	3.88	3.31	3.87	3.59	2.58	3.09	3.62	2.32	3.65	2.74	2.97	3.76	39.38

Beginning early in 1906 a graduated glass was used in measuring the rainfall at this station. It having been found that this glass gave readings too large by about 17 per cent., each rainstorm from January, 1906, to March, 1913, has been recalculated, and between those dates the results in this table consequently do not agree with those recorded at the station. Beginning with March, 1913, a standard gage has been in use at this station.

RAINFALL AT ROWE, MASS. Elevation, 1 300 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	...	...	...	...	...	3.78	3.25	2.00	0.60	6.95	5.10	1.23	....
1878	5.25	3.75	3.43	6.45	1.92	5.80	6.78	3.00	2.20	3.55	6.60	5.50	54.23
1879	2.40	3.10	5.35	3.55	1.40	7.90	4.40	3.80	4.15	1.00	3.50	5.45	46.00
1880	4.75	3.75	2.40	3.80	2.70	2.48	7.55	4.60	2.15	3.30	1.48	2.72	41.68
1881	3.70	4.25	4.70	1.20	7.25	4.50	5.00	1.58	3.80	2.90	5.00	5.60	49.48
1882	3.80	4.07	3.00	1.80	4.65	2.70	2.80	2.70	9.70	0.25	0.63	1.40	37.50
1883	2.05	3.65	1.30	2.42	4.07	1.95	5.30	2.15	3.05	6.25	1.82	2.60	36.61
1884	3.27	5.10	4.65	1.85	1.55	1.60	5.10	3.22	0.95	3.02	3.70	5.03	39.04
1885	4.50	3.91	1.30	3.13	3.05	2.26	4.16	7.37	1.80	4.08	5.55	2.70	43.81
1886	4.65	1.90	4.50	2.45	4.25	3.25	4.10	2.65	4.65	3.49	6.88	4.60	47.37
1887	7.30	7.25	3.60	3.32	1.35	6.40	6.05	6.60	1.45	2.21	3.55	4.65	53.73
1888	2.20	4.95	7.00	3.70	4.00	3.27	2.05	6.50	6.25	5.50	6.30	4.35	56.07
Av.	3.99	4.15	3.75	3.06	3.29	3.83	4.85	4.02	3.65	3.23	4.09	4.05	45.96

RAINFALL AT SOMERSET, MASS. Elevation, 40 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	8.94	7.09	5.53	4.01	2.09	1.76	4.24	2.12	2.66	4.37	2.95	3.15	48.91
1892	4.98	1.71	4.59	1.69	4.95	2.29	2.51	2.92	3.10	1.76	5.49	1.39	37.38
1893	3.29	7.17	4.78	4.20	4.83	3.34	1.47	6.23	3.00	2.70	2.53	4.99	48.53
1894	2.88	3.98	1.29	3.23	3.97	1.63	1.68	1.81	4.12	8.21	4.70	5.08	42.58
1895	3.93	1.16	3.38	5.37	4.07	2.01	3.41	4.13	1.55	6.51	4.42	3.20	43.14
1896	2.27	6.07	5.22	1.29	2.79	5.32	2.74	2.60	7.74	2.92	3.21	3.08	45.25
1897	3.88	1.72	2.83	4.65	4.71	3.01	4.65	6.12	2.45	1.34	8.82	4.63	48.81
1898	3.38	6.11	3.35	5.68	4.77	1.04	5.78	5.60	2.73	9.29	7.62	1.99	57.34

RAINFALL AT SOMERSET, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	5.41	5.32	7.84	1.89	2.34	3.05	3.05	1.41	6.76	3.08	1.01	0.88	42.04
1900	4.45	6.25	5.97	1.79	5.55	1.92	2.60	3.08	4.37	4.54	4.38	2.40	47.30
1901	2.03	1.22	7.58	8.79	7.54	1.71	5.02	2.97	3.58	3.12	2.50	8.60	54.66
1902	3.40	6.03	6.44	3.55	1.04	4.55	2.19	1.28	3.58	3.88	1.88	5.83	43.65
1903	5.85	6.25	9.27	6.72	0.68	5.35	3.28	4.01	0.87	4.04	2.39	5.18	53.89
1904	4.68	3.50	3.58	10.25	2.75	4.17	1.80	3.82	3.62	1.40	2.56	4.40	46.53
1905	4.17	1.49	2.91	2.63	1.80	7.71	4.04	4.08	5.31	2.17	2.70	4.14	43.15
1906	3.10	2.79	6.02	2.61	3.93	3.79	3.39	2.89	3.08	3.64	2.79	5.47	43.50
1907	4.23	3.81	1.33	3.83	3.88	1.95	1.17	1.14	**7.89**	2.80	**5.98**	4.78	42.79
1908	3.95	4.29	5.95	2.23	3.16	2.13	3.48	5.22	0.90	5.28	1.31	3.65	41.55
1909	4.81	5.73	3.85	5.80	2.87	1.08	0.54	2.29	3.48	1.84	3.65	2.53	38.47
1910	5.62	4.42	2.64	1.32	2.94	3.80	3 05	2.80	2.29	2.24	4.27	2.85	38.24
1911	2.84	1.91	2.70	3.97	1.68	1.67	4.96	3.87	2.44	2.91	6.24	2.94	38.13
1912	3.46	2.54	6.07	3.91	4.09	0.23	0.86	3.61	1.76	0.85	3.57	5.52	36.47
1913	3.92	3.32	3.58	5.61	1.89	1.28	2.85	2.65	2.80	9.20	1.99	3.45	42.54
Av.	4.15	4.08	4.64	4.13	3.41	2.82	2.99	3.33	3.48	3.83	3.78	3.92	44.56

RAINFALL AT SOMERVILLE, MASS. Elevation, 60 feet.

(Old Mystic Pumping Station, Boston Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	1.60	3.68	6.99	3.72	2.23	1.58	8.17	0.90	4.65	1.98	6.86	2.28	44.64
1877	3.39	0.71	7.35	3.23	3.47	1.85	2.34	5.69	0.28	7.45	7.39	0.78	43.93
1878	5.79	6.00	3.81	5.57	0.78	2.57	3.85	8.53	2.47	4.91	5.73	4.87	54.88
1879	2.05	2.74	3.50	5.02	1.99	4.66	2.69	5.37	1.73	0.68	2.75	3.75	36.93
1880	2.59	4.38	2.57	1.96	1.90	0.89	7.21	3.60	1.50	2.65	1.97	2.31	33.53
1881	5.63	3.74	5.87	1.60	2.87	6.43	3.06	0.65	4.07	2.19	3.86	3.30	43.27
1882	4.95	3.62	2.63	2.05	4.33	2.51	1.81	1.28	9.10	1.93	1.09	2.09	37.39
1883	2.91	2.97	1.76	2.24	3.58	1.56	2.63	0.51	1.44	5.38	1.99	2.54	29.51
1884	4.70	6.24	4.35	3.51	2.83	4.37	3.89	4.79	0.79	2.66	2.49	4.37	44.99
1885	4.83	3.44	1.08	3.48	3.28	3.82	1.98	5.23	1.53	5.42	6.00	1.85	41.94
1886	6.61	6.51	3.27	1.47	2.68	1.48	4.01	2.62	2.81	2.58	3.89	4.82	42.75
1887	4.66	4.13	4.60	4.02	1.42	1.91	4.62	4.07	1.26	3.03	2.92	3.51	40.15
1888	3.65	3.50	4.95	2.67	5.10	2.22	2.27	7.24	8.33	4.87	6.47	5.26	56.53
1889	5.57	1.80	2.25	3.65	4.64	3.43	8.58	3.62	4.86	3.88	5.88	2.83	50.99
1890	2.47	3.25	6.49	2.43	5.83	3.32	2.02	3.35	3.85	9.00	1.36	4.27	47.64
1891	5.99	4.85	5.68	2.85	2.31	4.09	3.29	3.72	2.67	5.05	2.50	3.45	46.45
1892	4.50	2.60	4.06	0.92	5.64	3.87	2.53	4.88	1.88	1.94	4.82	1.26	38.90
1893	1.97	7.71	2.54	3.42	6.10	2.07	2.07	5.36	1.92	4.11	2.21	4.21	43.69
1894	3.79	3.09	0.99	2.64	4.74	0.52	3.13	1.75	3.04	5.38	3.46	4.46	36.99
1895	3.62	0.75	2.85	4.28	2.54	3.14	4.04	5.29	1.53	9.27	7.47	2.17	46.95
1896	2.72	5.08	5.12	2.00	1.85	2.32	2.53	2.81	7.07	3.11	3.62	2.36	40.59
1897	3.41	2.56	3.18	3.10	4.84	5.74	3.17	4.05	3.16	0.44	6.90	4.79	45.34
Av.	3.97	3.79	3.90	2.99	3.41	2.92	3.63	3.88	3.18	4.00	4.17	3.25	43.09

RAINFALL AT SOUTHBORO, MASS. Elevation, 260 feet.

(Sudbury Dam No. 5, Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	4.05	4.81	6.56	1.95	1.41	2.40	2.94	1.26	3.75	2.53	2.10	1.70	35.46
1900	5.03	8.84	6.32	2.59	4.28	2.75	2.68	2.11	3.25	3.72	5.58	2.50	49.65
1901	1.81	1.35	6.34	8.19	7.74	1.37	5.08	4.10	2.91	3.04	2.70	8.29	52.92
1902	2.45	6.01	4.71	3.84	1.93	2.91	3.04	3.72	4.40	4.37	1.44	5.80	44.62
1903	3.65	3.85	6.37	2.87	0.95	10.41	2.69	3.44	1.89	4.84	1.50	2.84	45.30
1904	4.64	2.86	2.57	8.38	2.84	3.36	2.24	4.32	4.80	1.58	1.68	2.80	42.07
1905	5.20	2.58	3.27	2.80	1.29	4.87	6.31	2.63	6.08	1.46	1.93	3.85	42.27
1906	2.33	2.78	6.12	2.80	5.40	3.87	3.45	2.43	2.90	3.12	2.48	4.36	42.04
1907	3.14	2.17	1.81	3.51	3.60	3.46	1.56	1.09	8.97	4.27	5.53	4.30	43.41
1908	3.52	4.13	3.50	1.82	5.11	0.79	3.73	4.24	0.92	2.52	1.00	3.03	34.31
1909	3.92	5.63	4.18	4.60	2.32	2.60	1.77	2.82	4.92	1.01	3.41	4.04	41.22
1910	5.28	4.98	0.89	2.83	1.26	4.11	1.88	2.24	2.16	1.87	3.90	2.39	33.79
1911	2.78	2.78	3.50	2.49	0.72	2.47	3.35	4.26	2.46	3.70	4.59	3.32	36.42
1912	2.77	2.88	6.04	4.19	4.71	0.28	2.64	3.24	1.80	2.01	3.58	4.94	39.08
1913	2.93	2.79	5.43	4.19	3.99	1.57	3.80	3.24	3.50	5.31	2.42	3.06	42.23
Av.	3.57	3.90	4.51	3.80	3.17	3.15	3.14	3.01	3.65	3.02	2.92	3.81	41.65

RAINFALL AT SOUTHBORO, MASS. Elevation, 250 feet.

(Cordaville, Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	3.75	3.98	1.49	3.86	4.78	2.14	3.14	2.75	2.49	5.76	3.58	4.55	42.27
1895	4.06	1.77	2.95	5.33	2.19	3.10	4.63	4.38	2.27	9.38	7.47	3.48	51.01
1896	2.47	6.12	5.07	1.42	2.67	3.45	2.39	2.39	6.71	3.88	3.29	1.94	41.80
1897	3.93	2.93	4.30	2.76	4.43	5.64	4.10	3.96	3.15	0.36	6.77	5.78	48.11
1898	7.27	4.72	2.55	4.86	3.29	2.96	3.76	9.02	3.25	6.55	6.58	3.44	58.25
1899	4.18	5.04	7.27	2.10	1.29	2.81	3.60	1.39	4.12	2.79	2.54	2.03	39.16
1900	5.24	9.78	6.67	2.83	4.72	3.01	2.25	2.21	3.48	4.18	5.90	3.10	53.37
1901	1.65	1.51	6.80	9.87	7.43	1.56	6.19	4.93	3.73	3.04	3.26	9.31	59.28
1902	2.56	5.72	5.48	4.26	2.09	3.00	2.68	3.04	5.44	4.86	1.59	6.78	47.50
1903	3.96	4.02	7.25	3.24	0.94	9.98	2.96	3.96	2.17	4.85	1.63	3.46	48.42
1904	5.52	3.08	2.85	9.31	2.60	2.86	1.89	3.92	6.69	1.78	1.80	2.81	45.11
1905	5.27	2.08	3.01	2.95	1.28	5.64	5.38	2.94	7.31	1.79	2.33	4.24	44.22
1906	2.59	3.07	6.56	3.25	6.33	4.63	3.63	3.77	3.99	3.85	3.12	4.68	49.47
1907	3.43	2.21	2.19	3.67	3.87	4.56	2.12	1.07	9.68	4.51	7.05	4.82	49.18
1908	4.21	5.28	4.26	2.14	5.56	1.02	4.18	5.39	1.12	2.63	1.12	3.53	40.44
1909	3.86	6.03	4.47	4.95	2.73	2.53	1.74	3.35	4.91	1.25	3.50	4.21	43.53
1910	5.87	5.20	0.84	2.82	1.40	4.75	2.11	3.11	2.63	1.96	4.57	2.51	37.77
1911	3.19	2.92	3.96	3.01	1.55	2.84	3.21	5.68	3.12	4.05	4.89	3.80	42.22
1912	3.18	2.91	6.82	4.89	4.64	0.67	3.13	3.40	1.98	2.50	4.11	5.56	43.79
1913	3.40	2.95	6.04	4.51	4.16	2.17	4.37	3.28	4.13	6.17	3.09	3.36	47.63
Av.	3.98	4.07	4.54	4.10	3.40	3.47	3.37	3.70	4.12	3.80	3.91	4.17	46.63

RAINFALL AT SOUTHAMPTON, MASS. Elevation, 525 feet.

(Fomer Reservoir, Holyoke Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	4.29	2.89	3.27	2.41	4.05	7.16	13.96	6.32	1.24	1.25	5.99	6.57	59.40
1898	5.82	4.47	2.49	4.20	6.16	4.17	3.95	7.28	3.35	7.40	5.92	3.73	58.94
1899	3.05	3.36	6.81	1.92	1.31	2.43	5.07	1.94	5.01	1.31	3.16	2.86	38.23
1900	3.59	10.28	5.54	1.84	4.44	1.78	2.49	3.91	2.00	3.32	4.31	3.27	46.77
1901	2.11	0.78	6.29	10.98	9.93	1.96	2.59	6.15	4.76	4.77	1.54	4.79	56.65
1902	3.32	4.66	6.38	4.45	2.08	2.85	5.75	4.63	5.34	6.99	1.62	7.46	55.53
1903	1.88	5.30	5.57	3.63	0.89	14.33	3.80	7.82	2.38	3.92	1.70	6.28	57.50
1904	3.60	2.61	4.33	6.87	4.22	6.73	3.01	5.07	4.73	3.56	1.00	2.96	48.69
1905	4.75	1.72	3.69	2.70	0.99	2.99	5.96	5.54	8.89	2.94	1.86	4.16	46.19
1906	2.64	2.43	4.45	5.37	5.45	3.34	6.51	2.59	2.99	2.80	3.01	3.66	45.24
1907	2.92	1.62	1.96	2.49	3.77	4.54	2.85	1.73	11.58	6.70	6.59	4.91	51.66
1908	3.41	4.84	3.44	3.19	7.19	1.70	4.40	4.10	1.85	2.62	1.02	2.91	40.67
1909	4.33	6.41	5.30	6.45	4.00	3.12	1.16	4.70	4.36	1.32	2.34	3.64	47.13
1910	7.97	6.88	1.60	5.36	3.52	3.70	1.67	4.48	2.25	0.72	5.59	1.87	45.61
1911	1.95	1.78	4.20	2.62	0.84	4.06	4.43	6.71	4.55	8.84	2.58	2.54	45.10
1912	4.71	3.12	5.39	3.28	4.58	0.80	2.43	4.96	3.38	5.69	4.24	4.70	47.28
1913	3.61	2.32	5.78	3.95	5.19	0.67	1.88	2.37	3.44	6.77	3.74	3.06	42.78
Av.	3.76	3.85	4.50	4.22	4.04	3.90	4.23	4.72	4.24	4.17	3.31	4.08	49.02

RAINFALL AT SPRINGFIELD, MASS. Elevation, 105 feet.

(City Engineer's Office.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	3.58	1.09	1.32	0.56	5.87	4.08	6.88	5.83	1.67	0.91	5.27	0.64	37.70
1893	2.81	4.33	3.47	3.94	4.97	3.41	1.76	2.87	2.38	4.73	1.63	3.42	39.72
1894	0.93	1.36	1.39	1.21	3.10	1.95	2.18	0.70	4.42	4.32	3.36	2.51	27.43
1895	3.02	0.27	2.06	3.96	1.63	2.94	4.20	3.30	2.89	5.45	4.02	2.92	36.66
1896	0.33	4.15	5.26	0.98	2.15	2.83	5.30	2.34	6.37	3.45	2.12	1.05	36.33
1897	2.57	2.02	2.90	2.35	4.02	5.78	14.68	4.21	1.51	1.65	6.15	5.51	53.35
1898	5.16	4.10	1.81	3.11	4.37	3.13	4.54	6.38	2.61	5.54	6.61	1.82	49.18
1899	2.85	2.05	5.44	2.52	2.08	4.02	5.39	1.25	3.12	2.73	2.03	1.30	34.78
1900	3.00	7.63	5.06	1.43	4.72	2.90	2.38	1.91	2.36	3.23	6.25	2.75	43.62
1901	1.28	0.39	5.27	7.03	6.83	1.62	4.75	8.24	3.41	4.10	1.41	8.16	52.49
1902	1.37	3.09	4.84	3.70	1.33	2.86	4.55	6.70	6.72	5.28	0.86	5.44	46.74
1903	3.29	3.84	5.08	1.74	0.83	8.33	4.68	6.13	2.73	2.27	2.63	2.36	43.91
1904	2.20	2.29	3.83	5.23	2.14	2.11	3.02	7.22	6.01	2.17	1.13	1.77	39.12
1905	2.61	1.08	3.01	2.19	1.11	3.16	2.03	3.86	6.89	1.73	1.91	3.25	32.83
1906	2.33	1.94	3.86	3.44	4.89	4.20	4.12	3.05	3.31	6.15	2.10	2.74	42.13
1907	3.64	1.26	4.39	2.00	3.77	3.60	1.76	1.39	8.27	5.36	4.34	3.59	43.37
1908	3.25	4.14	2.58	1.61	5.15	2.50	3.80	6 99	0.83	2.62	0.72	1.89	36.08
1909	2.61	5.14	2.62	6.43	2.63	1.33	1.49	3.87	3.96	1.30	1.85	1.75	34.98
1910	4.37	3.26	1.40	3.25	2.21	3.06	2.07	3.20	3.42	0.66	3.49	1.79	32.18
1911	2.15	1.57	3.40	2.03	1.37	2.47	3.81	6.76	3.94	8.66	3.35	2.33	41.84
1912	0.95	2.80	5.48	4.59	4.40	0.39	1.89	3.76	2.33	2.56	3.78	3.51	36.44
1913	2.99	1.66	4.53	2.95	3.55	0.81	1.36	3.27	2.34	5.69	1.81	**1.90**	32.86
Av.	2.60	2.70	3.59	3.01	3.32	3.07	3.94	4.24	3.71	3.66	3.04	2.84	39.72

RAINFALL AT SPRINGFIELD, MASS. Elevation, 200 feet.
(1848–1867, by citizen of Springfield; 1868–1913, at United States Arsenal.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1848	2.01	2.08	3.06	1.77	8.34	4.64	3.61	2.11	1.92	3.28	3.99	4.57	41.38
1849	0.68	0.52	3.91	1.26	4.68	2.06	3.19	4.60	1.36	7.50	2.56	2.04	34.36
1850	4.18	3.67	2.94	4.29	8.21	3.55	5.28	5.94	5.78	4.03	2.11	3.82	53.80
1851	1.61	4.94	1.32	3.89	4.10	3.54	3.95	5.57	1.73	6.96	4.84	2.77	45.22
1852	1.88	3.12	2.54	4.37	2.88	2.46	2.96	6.47	1.77	2.59	5.45	3.95	40.44
1853	1.46	5.75	2.33	3.46	4.88	1.89	6.43	8.34	5.78	4.34	4.88	1.82	51.36
1854	2.77	4.87	2.28	7.79	4.10	1.85	7.47	0.88	4.54	2.44	8.13	3.25	50.37
1855	4.00	3.04	0.95	3.11	1.91	4.15	8.18	2.40	0.74	9.46	3.87	5.40	47.21
1856	3.11	0.75	1.04	3.02	5.23	1.70	1.69	11.72	2.57	1.40	2.26	4.13	38.62
1857	3.21	1.93	2.32	5.15	5.76	2.27	6.24	3.49	3.31	4.17	1.55	5.21	44.66
1858	3.21	1.68	0.88	3.48	2.99	5.50	3.97	3.74	4.02	3.12	1.92	3.29	37.80
1859	5.33	3.56	6.39	2.86	4.65	6.38	2.28	4.01	4.11	1.91	2.68	4.45	48.61
1860	1.60	2.71	2.50	1.49	2.62	4.12	5.32	4.98	4.93	2.60	4.30	4.19	41.36
1861	4.57	3.05	3.25	5.76	4.42	3.31	3.94	5.35	3.36	5.19	3.87	2.05	48.12
1862	5.65	2.59	4.43	2.24	2.93	10.04	6.54	3.25	1.83	2.76	4.75	2.95	49.96
1863	4.70	4.19	6.12	2.25	3.20	1.70	9.77	3.35	2.44	4.23	5.32	4.43	51.70
1864	2.51	1.22	2.25	2.54	2.87	0.56	1.22	2.54	2.61	2.97	5.16	4.45	30.90
1865	3.23	2.47	5.07	2.72	8.39	3.74	3.86	1.67	0.65	4.57	2.64	3.12	42.13
1866	1.52	4.86	2.93	2.23	5.86	5.08	3.00	2.83	5.21	2.76	3.24	3.30	42.82
1867	1.83	4.57	4.07	3.16	5.06	4.33	5.29	10.05	2.59	3.55	3.29	1.77	49.56
1868	3.65	1.66	3.79	4.53	8.90	3.46	2.95	3.27	9.96	1.62	4.87	1.42	50.08
1869	3.31	4.48	5.75	1.80	5.91	5.88	2.67	1.40	4.17	13.50	3.30	5.80	57.97
1870	5.80	5.54	3.35	3.90	1.86	3.54	3.27	1.77	2.34	4.62	3.03	1.89	40.91
1871	2.87	2.84	5.63	3.12	4.28	6.55	2.21	8.29	1.32	6.26	3.71	2.66	49.74
1872	1.51	2.50	3.35	2.20	3.16	3.37	6.20	7.13	4.34	3.87	4.92	3.41	45.96
1873	5.28	2.89	2.91	2.55	4.86	0.66	3.46	4.41	4.33	7.03	4.01	4.64	47.03
1874	5.23	3.35	1.60	6.44	4.90	3.87	5.83	4.23	2.31	2.23	2.96	1.47	44.42
1875	2.83	4.04	4.78	3.62	2.24	3.54	3.23	9.92	2.40	4.06	4.86	1.46	46.98
1876	2.10	5.65	8.47	3.12	3.31	2.63	4.59	1.40	4.75	1.21	3.48	4.64	45.35
1877	3.24	0.80	8.12	2.95	1.11	3.39	4.34	2.33	0.78	8.39	5.95	1.06	42.46
1878	4.29	4.30	3.82	6.72	2.48	7.97	2.32	3.91	2.31	2.65	5.64	5.98	52.39
1879	1.79	4.06	5.14	4.93	2.49	6.68	4.50	7.15	2.93	1.42	2.19	5.00	48.28
1880	3.93	4.04	3.14	3.64	1.94	2.02	6.44	3.17	2.74	4.07	3.45	2.07	40.65
1881	4.57	4.15	3.35	1.73	4.68	6.21	3.10	3.10	0.79	3.62	4.98	5.23	45.51
1882	5.38	4.76	3.34	1.41	5.89	4.00	1.89	1.59	11.40	1.83	0.80	2.12	44.41
1883	2.60	4.76	2.70	2.25	5.07	3.30	3.94	2.00	3.34	5.36	1.24	3.66	40.22
1884	4.77	6.23	5.22	3.10	2.60	4.72	5.27	6.12	1.81	2.76	3.48	5.20	51.28
1885	4.65	3.52	1.82	3.31	2.55	2.05	4.09	7.47	1.01	4.89	5.91	4.39	45.66
1886	5.31	4.80	3.76	2.56	3.30	1.74	4.27	3.31	4.45	3.43	4.77	3.76	45.46
1887	4.85	5.23	4.19	3.43	1.02	6.44	6.61	7.69	1.84	1.96	3.21	3.81	50.28
1888	4.22	4.07	6.48	2.49	4.28	5.97	3.06	4.03	9.00	5.50	4.08	4.84	58.02
1889	3.88	1.69	1.57	2.28	4.28	3.72	8.85	2.39	4.30	4.67	5.66	3.11	46.40
1890	2.68	4.07	6.31	2.21	5.36	1.83	4.69	5.57	11.12	6.70	1.11	3.15	54.80
1891	7.86	4.34	3.60	2.55	2.18	3.50	6.37	4.01	1.41	3.39	3.00	4.80	47.01
1892	4.99	2.09	2.29	0.64	6.96	4.43	7.17	6.58	1.89	0.97	6.14	1.14	45.29
1893	3.49	5.94	3.70	4.49	5.48	3.69	2.07	3.12	2.53	5.16	2.08	4.04	45.79
1894	2.30	2.13	1.87	1.93	3.59	2.06	2.52	0.93	5.31	4.98	4.23	3.50	35.35
1895	3.69	1.29	2.24	3.93	1.91	3.26	4.56	3.70	3.11	6.20	4.59	2.77	41.25
1896	0.76	4.45	6.78	0.85	2.57	2.87	5.74	2.58	6.24	4.03	2.90	1.37	41.14
1897	3.99	2.69	3.07	2.24	4.70	6.22	14.99	4.07	1.52	1.64	5.15	5.16	55.44

RAINFALL AT SPRINGFIELD, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1898	4.42	4.45	1.00	3.46	5.50	3.26	4.54	6.52	2.73	6.09	6.93	3.05	51.95
1899	3.20	4.42	6.80	2.37	1.78	4.03	5.37	1.30	3.33	2.93	1.96	1.67	39.16
1900	3.60	8.69	5.85	1.25	5.07	2.84	2.44	1.62	2.52	3.60	5.86	2.76	46.10
1901	1.74	0.63	5.92	6.80	5.26	1.23	5.11	7.74	3.10	4.31	1.37	8.82	52.03
1902	1.33	4.00	4.74	3.42	1.40	2.76	3.90	4.62	5.41	5.75	0.70	6.55	44.58
1903	2.80	3.91	5.53	2.47	0.78	8.01	4.55	6.96	2.58	2.27	2.55	2.61	45.02
1904	2.77	2.01	3.59	5.89	2.14	1.88	2.68	6.99	5.97	1.96	1.07	2.41	39.36
1905	2.83	1.10	2.86	1.86	1.40	2.78	0.85	3.87	6.68	1.47	1.96	3.36	31.02
1906	1.88	2.87	5.22	3.32	4.25	5.15	3.45	2.49	3.02	6.30	2.32	3.93	44.20
1907	2.82	4.48	1.21	4.38	3.33	3.26	1.57	1.25	8.28	5.28	4.61	4.12	44.59
1908	3.25	8.30	2.26	0.79	5.52	2.40	3.99	6.70	0.74	2.41	0.69	2.17	39.22
1909	2.51	5.89	3.09	7.10	3.57	1.45	1.38	4.58	4.74	1.46	2.34	1.45	39.56
1910	5.07	3.73	1.35	3.57	2.26	3.50	2.34	3.15	3.32	0.90	4.13	1.72	35.04
1911	2.60	1.46	2.04	1.60	1.27	2.81	3.97	7.14	3.89	8.91	3.73	2.81	42.23
1912	1.22	2.11	4.53	4.78	3.87	0.36	1.83	2.32	2.14	2.02	3.06	2.93	31.17
1913	1.94	1.84	5.39	2.60	4.50	0.70	1.21	2.66	2.41	6.28	2.21	2.77	34.51
Av.	3.32	3.54	3.70	3.23	3.92	3.62	4.31	4.39	3.60	4.09	3.61	3.45	44.78

RAINFALL AT STERLING, MASS. Elevation, 500 feet.

(Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	3.59	2.53	3.81	2.24	5.18	5.25	9.06	3.66	1.66	0.87	7.58	6.31	51.74
1898	6.96	2.94	1.88	4.59	3.29	3.11	2.78	9.88	3.18	7.20	6.24	3.60	55.65
1899	2.78	5.26	6.71	1.80	0.99	4.39	3.43	3.54	3.82	2.59	1.85	1.70	38.86
1900	4.19	8.76	6.22	2.33	4.26	3.84	2.61	2.90	3.47	2.98	6.21	3.17	50.94
1901	1.52	0.96	5.79	10.03	6.86	1.65	5.51	3.99	2.90	3.34	2.07	8.84	53.46
1902	2.30	4.72	5.12	4.37	2.61	2.51	4.16	3.01	3.72	6.38	0.76	7.00	46.66
1903	2.66	4.39	6.37	3.05	0.97	10.56	3.27	3.34	2.62	4.38	2.16	3.84	47.61
1904	3.50	2.43	3.22	6.93	3.02	3.54	3.14	3.59	5.22	1.70	1.61	2.87	40.77
1905	6.43	1.65	3.74	2.62	0.81	4.17	5.49	2.75	6.78	1.63	2.22	3.40	41.69
1906	2.33	2.50	4.60	2.63	6.27	5.98	4.34	4.54	2.34	4.03	2.01	4.37	45.94
1907	2.71	2.79	1.85	2.23	2.78	3.49	3.53	1.05	8.74	5.62	5.43	4.01	44.23
1908	3.20	4.88	2.59	2.52	5.10	1.39	3.78	5.78	0.91	1.96	0.97	3.15	36.23
1909	3.21	5.86	4.35	4.84	2.44	3.05	3.59	3.32	3.30	1.86	1.23	4.09	41.14
1910	5.29	5.62	0.81	2.77	1.68	4.83	1.59	3.91	2.66	1.51	4.16	1.98	36.81
1911	2.72	2.29	3.60	2.12	1.26	2.40	2.12	5.27	3.00	5.22	4.41	3.01	37.42
1912	2.20	2.28	5.63	3.69	6.15	0.36	2.43	2.82	1.98	2.41	3.96	4.69	38.60
1913	3.01	2.54	5.56	3.90	3.59	0.62	1.74	3.10	3.77	5.51	2.35	2.26	37.95
Av.	3.45	3.67	4.22	3.68	3.37	3.60	3.68	3.91	3.53	3.48	3.25	4.02	43.86

RAINFALL AT STONEHAM, MASS. Elevation, 160 feet.

(Spot Pond, Metropolitan Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	4.10	5.27	7.17	1.40	1.03	2.90	2.67	3.22	4.81	2.76	2.49	1.42	39.24
1900	4.95	7.44	4.81	1.96	4.98	2.26	1.87	2.18	3.58	3.50	4.59	2.29	44.41
1901	1.73	0.82	6.83	8.36	7.19	1.86	4.69	3.64	3.67	2.54	2.78	7.96	52.07
1902	2.22	7.56	4.90	4.70	1.15	2.33	2.76	3.80	3.44	4.72	1.33	5.86	44.77
1903	3.78	4.58	6.38	4.67	0.33	9.16	3.32	3.44	1.44	3.84	1.40	3.18	45.52

RAINFALL AT STONEHAM, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	5.74	3.08	2.99	9.42	3.98	3.56	1.51	3.47	5.38	1.89	1.75	2.34	45.11
1905	5.61	1.94	3.28	2.54	1.39	5.71	1.01	3.66	7.61	1.41	2.63	3.96	40.75
1906	2.63	2.37	6.46	1.97	5.28	4.61	3.69	2.36	2.26	2.65	3.04	4.54	41.86
1907	2.90	2.19	2.43	3.31	3.06	3.71	1.91	1.33	8.88	2.98	6.76	3.88	43.34
1908	3.48	4.27	3.26	2.41	3.81	0.78	3.40	3.97	0.62	3.66	1.04	2.65	33.35
1909	4.04	5.31	3.80	4.23	1.96	4.27	2.27	3.53	5.12	1.28	4.31	3.95	44.07
1910	4.80	4.84	1.02	2.68	1.32	4.59	1.47	1.19	2.38	1.13	3.71	2.28	31.41
1911	2.78	3.18	3.47	2.45	1.01	3.69	6.30	4.52	3.34	2.93	4.02	3.72	41.41
1912	3.13	2.50	4.98	3.71	5.10	0.35	5.27	2.13	2.58	1.69	2.94	4.89	39.27
1913	3.49	2.59	4.80	4.31	3.83	1.55	3.88	3.39	2.96	6.83	2.45	3.10	43.18
Av.	3.69	3.86	4.44	3.87	3.03	3.42	3.07	3.06	3.87	2.92	3.02	3.73	41.98

RAINFALL AT STOW, MASS. Elevation, 250 feet.

(Jonathan Newell, A.M.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1792	...	...	...	...	...	...	...	...	...	...	...	...	33.91
1793	...	...	...	...	...	...	...	...	...	...	...	...	33.58
1794	...	...	...	...	...	...	...	...	...	...	...	...	34.98
1795	3.06	2.12	3.60	7.43	4.71	3.08	5.79	4.83	4.92	4.34	1.74	2.76	48.38
1796	3.11	2.26	2.41	1.04	5.93	1.48	5.26	2.10	5.58	1.67	1.03	2.60	34.47
1797	1.07	3.80	4.56	4.46	3.33	1.90	1.70	3.95	1.85	5.97	3.10	1.84	37.53
1798	2.08	2.00	3.76	2.52	3.90	3.74	2.53	1.28	2.71	7.30	2.37	2.31	36.50
1799	1.90	2.16	4.33	3.10	3.60	8.18	2.70	1.27	2.80	1.85	2.56	2.83	37.28
1800	0.86	3.10	2.20	5.16	3.96	2.04	2.71	4.51	4.70	5.05	2.88	3.69	40.86
1801	3.96	2.49	8.27	2.50	4.32	2.59	4.05	2.53	1.11	0.91	3.32	2.81	38.86
1802	2.70	0.98	5.41	0.74	6.27	2.62	3.06	7.72	4.15	3.58	1.02	3.70	41.95
1803	2.88	5.20	2.67	2.06	2.16	0.88	8.09	1.76	1.25	3.82	2.14	4.30	37.21
1804	3.34	3.72	2.58	6.24	2.30	3.34	2.58	1.99	2.22	6.17	3.11	3.46	41.05
Av.	2.50	2.78	3.98	3.53	4.05	2.98	3.85	3.19	3.13	4.07	2.32	3.03	39.41

RAINFALL AT STURBRIDGE, MASS. Elevation, 600 feet.

(Fiskdale.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1888	2.61	3.08	5.96	2.11	4.29	2.97	2.54	4.47	6.81	4.84	3.82	6.19	49.69
1889	3.53	1.98	1.85	2.45	2.31	3.02	8.72	2.98	2.49	5.40	4.88	2.63	42.24
1890	2.17	3.75	5.22	2.14	5.64	2.23	3.14	5.71	4.85	7.40	0.90	2.40	45.55
1891	6.31	3.41	2.86	2.14	2.23	3.07	4.20	4.47	2.83	3.66	2.67	4.62	42.47
1892	4.71	1.07	1.90	0.39	5.57	2.86	5.97	5.79	1.56	1.03	5.00	0.71	36.56
1893	2.21	4.60	2.78	2.47	5.52	2.73	1.44	3.85	1.88	4.94	2.02	3.95	38.39
1894	1.58	1.89	1.30	2.63	3.75	0.53	1.85	1.92	2.47	2.83	3.08	1.92	25.75
1895	2.89	0.76	2.17	3.96	1.70	4.03	5.15	4.80	2.70	7.21	4.74	4.01	44.12
1896	1.00	6.32	3.57	0.87	2.08	2.06	2.76	2.01	7.26	3.39	2.34	1.23	34.89
1897	2.34	2.05	2.25	2.88	3.75	3.67	9.41	3.08	1.36	0.64	6.71	4.78	42.92
1898	3.49	3.80	3.35	2.89	2.98	2.70	6.97	7.28	3.42	6.32	5.44	2.99	51.63
1899	2.37	3.71	5.21	2.02	1.34	4.17	...	1.97	3.81	2.31	1.30	...	....
1900	...	7.75	6.31	...	4.61	4.22	...	...	2.43	4.13	...	...	....
Av.	2.99	2.97	3.02	2.27	3.62	2.72	4.74	4.21	3.42	4.33	3.78	3.22	41.29

RAINFALL AT TAUNTON, MASS. Elevation, 50 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1875	7.64	4.21	3.75	5.40	2.90	2.48	3.37	4.63	1.69	2.62	2.96	1.67	43.32
1876	5.06	4.68	3.39	3.88	1.91	1.82	5.57	2.44	4.59	0.44	7.00	2.87	43.65
1877	4.86	2.68	3.06	1.56	2.50	2.61	2.80	5.79	0.82	8.38	6.88	3.84	45.78
1878	5.16	4.04	3.28	5.32	1.63	2.54	2.07	1.38	1.05	4.42	7.91	5.69	44.49
1879	4.07	2.37	4.29	6.16	2.70	0.44	5.71	4.68	3.21	0.80	2.92	3.63	40.98
1880	2.37	3.33	4.44	3.89	1.19	1.77	7.33	11.74	2.16	4.17	3.19	3.91	49.49
1881	6.81	5.64	5.57	1.80	3.49	8.75	2.20	0.91	2.58	3.30	6.11	3.30	50.46
1882	4.85	5.84	3.55	3.90	4.72	2.27	1.74	0.43	8.02	3.70	1.84	3.06	43.92
1883	4.67	4.42	2.24	2.50	3.43	1.94	3.29	0.88	2.05	5.27	2.91	3.00	36.60
1884	6.18	5.43	5.33	4.36	3.08	4.34	4.28	5.40	0.62	3.30	3.89	6.01	52.22
1885	5.96	2.71	1.34	2.95	3.84	3.19	2.34	3.58	1.11	3.89	3.52	2.29	36.72
1886	7.79	9.66	4.25	2.36	4.27	1.22	3.23	4.12	3.29	3.74	5.15	6.27	55.35
1887	7.43	4.52	5.17	5.32	2.70	4.08	6.20	5.17	1.84	3.08	2.37	4.05	51.93
1888	3.82	3.79	6.37	2.24	4.72	1.61	3.55	5.03	9.14	4.79	8.88	3.86	57.80
1889	6.43	2.21	2.08	4.34	5.67	2.02	7.92	7.34	3.32	4.34	6.59	2.68	54.94
1890	2.89	3.70	8.40	3.81	5.60	3.60	1.44	3.86	5.41	10.44	0.99	4.28	54.42
1891	8.51	5.82	5.95	4.05	2.56	2.13	2.85	3.89	2.51	5.13	3.39	4.27	51.06
1892	4.93	2.41	6.66	1.46	5.93	3 81	1.72	2.98	2.76	1.56	6.55	1.71	42.48
1893	4.10	9.86	7.38	3.83	5.53	2.17	2.22	6.23	2.37	2.90	2.97	6.72	56.28
1894	4.31	7.18	1.42	4.20	4.32	0.77	2.41	1.55	3.98	8.93	6.21	5.62	50.90
1895	4.24	1.21	3.74	5.55	3.95	2.17	3.56	3.77	2.13	6.61	5.73	3.17	45.83
1896	3.08	5.67	5.79	1.30	3.22	4.21	1.53	3.37	9.21	3.36	3.87	3.30	47.91
1897	4.23	3.00	2.94	4.28	4.97	3.25	5.69	4.15	2.90	1.13	8.16	4.58	49.28
1898	6.14	6.07	3.06	7.00	4.79	1.55	9.89	5.07	3.04	10.48	7.51	2.63	67.23
1899	5.44	6.09	7.10	2.06	2.17	4.07	4.44	1.79	9.05	3.50	1.66	1.47	48.84
1900	5.21	7.56	5.42	2.16	6.87	2.67	3.06	2.43	5.08	3.97	4.91	2.91	52.25
1901	2.84	1.16	8.92	8.05	7.70	2.27	3.94	3.40	3.43	2.64	2.51	9.76	56.62
1902	2.10	6.77	5.72	3.52	1.41	4.87	2.10	2.85	3.17	3.68	1.76	5.56	43.51
1903	4.22	6.69	6.79	4.65	0.35	4.49	3.89	4.05	0.72	3.97	1.68	3.70	45.20
1904	4.49	2.65	2.47	8.54	2.50	3.37	2.45	4.95	3.45	1.72	2.05	3.25	41.89
1905	4.05	1.84	2.53	2.98	1.22	7.82	2.65	2.90	4.79	1.83	2.26	4 02	38.89
1906	2.81	4.16	6.85	2.33	4.34	3.58	4.61	1.60	2.79	4.30	2.38	4.32	44.07
1907	3.37	3.12	2.06	3.73	4.15	2.40	1.48	1.17	9.37	3.51	6.87	6.01	47.24
1908	3.69	4.33	4.12	2.78	3.45	2.32	4.05	4.67	1.17	5.62	1.32	4.50	42.02
1909	4.91	6.35	4.67	6.89	2.69	2.03	2.16	3.43	4.90	1.73	4.12	3.89	47.77
1910	7.09	4.53	1.74	1.69	3.00	4.08	2.17	2.30	2.04	1.76	4.78	2.45	37.63
1911	3.39	2.64	3.73	4.00	1.11	1.62	5.22	4.73	2.81	2.69	7.85	4.10	43.89
1912	4.36	3.77	7.55	4.67	4.84	0.35	1.28	3.67	1.40	1.14	4.21	7.75	44.99
1913	4.43	3.75	4.90	5.93	1.74	1.56	2.67	3.65	3.12	9.99	2.96	4.35	49.05
Av.	4.82	4.51	4.56	3.99	3.52	2.88	3.57	3.74	3.51	4.07	4.33	4.11	47.61

RAINFALL AT TEMPLETON, MASS. Elevation, 1 000 feet.
(Baldwinville.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1907	2.10	2.10	2.20	2.80	4.10	2.80	6.10	1.50	9.20	5.00	4.80	3.40	46.10
1908	2.30	3.30	2.10	2.00	3.90	1.80	2.60	7.90	1.20	1.30	0.90	2.30	31.60
1909	3.90	4.80	2.80	4.60	1.70	1.10	1.60	2.50	3.60	0.70	1.70	3.30	32.30
1910	5.20	3.70	0.80	3.00	1.80	2.10	2.20	3.30	2.20	1.10	3.50	1.90	30.80
1911	2.40	1.90	4.30	2.00	1.40	1.20	3.20	5.80	1.70	5.08	3.00	3.00	34.98
1912	2.43	1.90	5.52	4.47	4.92	0.99	2.30	2.31	2.96	3.40	4.24	4.18	39.62
Av.	3.06	2.95	2.95	3.15	2.97	1.67	3.00	3.88	3.48	2.76	3.02	3.01	35.90

RAINFALL AT THATCHER'S ISLAND, MASS. Elevation, 25 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	1.93	5.27	6.91	4.71	2.47	1.61	6.60	0.37	4.12	1.75	9.46	2.32	47.52
1877	2.26	0.95	8.61	4.42	1.73	2.45	3.65	1.86	0.51	7.15	7.57	1.37	42.53
1878	6.21	4.99	5.12	5.29	0.93	1.52	4.28	6.62	1.02	7.57	9.30	5.53	58.38
1879	3.68	2.42	5.80	6.12	1.08	4.25	2.17	7.56	0.99	0.90	6.91	4.05	45.93
1880	2.31	2.37	4.07	8.53	2.37	2.14	6.51	4.15	3.72	2.81	4.32	2.81	46.11
1881	4.56	4.73	9.96	1.56	7.22	7.51	2.89	0.85	3.76	3.19	11.18	6.80	64.21
1882	5.00	4.69	3.60	2.73	8.72	1.33	2.90	1.12	7.40	2.40	2.46	3.34	45.69
1883	5.12	3.41	2.00	1.87	2.62	2.02	5.46	2.67	0.78	5.47	3.40	5.29	40.11
1884	7.66	7.54	4.70	3.21	4.39	2.79	2.93	5.30	0.77	2.86	2.67	5.82	50.64
Av.	4.30	4.04	5.64	4.27	3.50	2.85	4.16	3.39	2.56	3.79	6.36	4.15	49.01

RAINFALL AT VINEYARD HAVEN, MASS. Elevation, 40 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	5.51	4.06	2.26	4.70	4.78	1.47	1.47	1.74	3.00	10.88	5.73	6.87	52.47
1895	4.19	0.95	4.58	3.14	4.23	2.51	6.37	3.47	1.15	2.45	5.77	4.71	43.52
1896	2.04	5.01	5.70	1.37	4.13	3.59	3.59	2.81	6.63	5.82	2.93	3.08	46.70
1897	3.89	2.68	3.61	5.95	3.28	2.83	5.28	5.04	0.80	2.44	6.42	4.52	46.74
1898	4.83	4.51	4.27	6.69	6.19	0.81	4.74	4.77	1.02	7.24	11.01	2.96	59.04
1899	3.72	6.39	8.87	3.05	1.73	4.51	3.86	2.76	3.15	3.11	1.97	1.57	44.69
1900	5.77	6.37	4.05	4.64	3.17	...	...	...	...	...	...	...	....
Av.	4.03	3.93	4.88	4.15	4.06	2.62	4.22	3.43	2.63	5.32	5.64	3.95	48.86

RAINFALL AT WAKEFIELD, MASS. Elevation, 100 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	2.50	3.61	7.49	2.33	6.51	3.13	1.80	4.21	4.06	8.58	1.53	5.62	51.37
1891	6.23	4.60	6.46	3.04	2.35	4.09	2.95	2.51	1.66	4.66	2.52	3.55	44.62
1892	3.82	3.26	4.82	0.65	5.83	3.84	1.54	5.45	1.87	2.28	5.51	1.31	40.18
1893	2.48	8.39	2.41	3.42	6.77	1.82	1.67	5.94	1.79	4.32	2.15	4.72	45.88
1894	3.33	3.42	1.10	3.11	4.91	0.22	2.73	1.07	2.40	5.40	4.37	3.27	35.33
1895	4.18	1.12	3.07	4.03	3.17	4.40	4.81	3.67	1.76	7.00	9.71	2.37	49.29
1896	2.80	5.25	5.42	1.69	2.54	2.16	2.83	2.38	8.20	3.34	3.59	1.84	42.04
1897	4.50	2.67	3.63	2.88	5.66	6.50	3.60	3.35	2.57	0.36	6.74	4.30	46.76
Av.	3.73	4.04	4.30	2.64	4.72	3.27	2.74	3.57	3.04	4.49	4.52	3.37	44.43

RAINFALL AT WALTHAM, MASS. Elevation, 20 feet.
(Waltham Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	3.10	3.88	3.03	2.14	1.69	1.06	8.32	4.38	1.64	3.06	2.20	1.39	35.89
1881	2.81	4.48	5.40	1.76	3.47	6.26	4.27	0.96	2.49	3.04	3.53	3.45	41.92
1882	3.64	3.12	2.48	2.51	5.20	1.90	2.52	1.32	9.59	2.28	0.73	2.17	37.46
1883	3.16	3.92	2.26	2.88	4.78	2.86	3.76	0.38	1.05	6.08	2.32	2.55	36.00
1884	4.29	6.26	4.19	3.61	2.91	3.54	5.27	4.55	0.63	1.21	1.95	4.76	43.17
1885	4.99	3.15	0.48	3.52	3.41	4.24	2.53	6.12	1.88	4.82	6.02	3.62	44.78
1886	5.12	7.83	3.06	1.76	3.28	1.33	2.72	2.52	3.14	3.10	4.74	3.69	42.29
1887	5.48	5.14	5.01	3.31	1.27	2.62	4.33	4.75	0.78	2.98	2.27	4.30	42.24
1888	4.26	3.58	5.63	3.18	4.48	1.96	1.70	6.87	9.28	5.09	7.53	5.99	59.55
1889	6.73	1.50	1.87	4.43	5.23	3.33	10.63	3.38	4.34	3.96	6.20	2.66	54.26

RAINFALL AT WALTHAM, MASS. — *Continued.*

(Waltham Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May.	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	2.18	2.97	5.89	2.48	5.76	2.59	2.13	3.05	5.50	10.28	1.35	5.05	49.23
1891	6.11	5.37	4.97	3.05	1.68	3.83	2.97	4.66	2.69	3.61	2.60	2.83	44.37
1892	3.76	2.07	2.97	0.91	6.11	4.30	3.27	4.00	2.48	3.15	3.96	1.25	38.23
1893	2.13	4.55	2.60	4.18	4.15	2.53	2.83	6.79	1.75	4.05	2.01	4.38	41.95
1894	1.67	1.53	1.08	2.24	4.61	0.10	3.00	1.37	2.04	4.72	2.66	3.46	28.48
1895	3.38	0.85	2.38	4.23	2 07	4.13	4.49	5.01	2.44	10.73	5.60	1.97	47.28
1896	2.03	6.03	3.36	1.50	1.88	2.55	2.72	2.37	8.75	3.41	3.25	2.43	40.28
1897	3.84	2.10	3.09	2.72	4.71	5.03	5.23	4.77	2.85	0.15	6.27	3.65	44.41
1898	4.46	5.30	1.11	6.36	3.44	1.73	5.68	7.17	1.80	7.42	5.72	3.21	53.40
1899	4.34	3.11	6.28	1.55	0.85	3.38	2.39	2.97	4.91	2.73	2.54	1.60	36.65
1900	4.54	8.54	5.21	2.36	5.52	2.99	2.70	2.30	3.60	3.98	5.22	2.81	49.77
1901	1.36	0.84	6.89	8.11	7.95	1.31	5.50	4.85	4.17	2.74	3.16	8.10	54.98
1902	1.89	6.32	3.75	4.52	1.18	2.53	4.02	3.80	4.81	4.85	1.12	4.48	43.27
1903	3.89	3.90	6.92	3.84	1 00	8.53	3.93	3.90	1.92	4.55	1.69	2.49	46.56
1904	4.30	2.62	2.58	9.64	3.25	3.14	1.69	3.54	6.91	1.88	1.96	2.78	44.29
1905	5.11	1.12	3.46	3.13	1.88	5.33	2.56	3.02	7.64	1.24	2.42	3.76	40.67
1906	2.59	2.76	6.02	2.54	5.12	2.83	5.11	2.58	2.95	3.04	2.99	4.93	43.46
1907	2.88	1.89	1.51	3.33	3.40	2.67	1.48	1.66	8.92	3.49	6.89	3.03	41.15
1908	3.83	4.05	3.52	1.97	3.99	1.14	3.53	4.23	0.90	3.07	0.87	2.91	34.01
1909	4.21	5.59	3.91	4.57	1.82	2.96	1.59	3.17	4.94	1.14	3.47	4.37	41.74
1910	5.11	4.95	0.82	2.38	1.52	4.59	2.33	1.14	2.99	1.60	4.33	2.21	33.97
1911	2.91	2.99	3.16	2.42	0.67	3.92	4.83	5.03	3.90	2.97	4.77	4.35	41.92
1912	3.16	2.85	6.27	4.26	5.04	0.31	4.38	2.82	1.93	2.56	3.20	5.60	42.38
1913	3.16	2.94	5.74	4.42	4.35	1.08	3.29	3.95	3.99	6.19	2.43	2.01	43.55
Av.	3.72	3.77	3.73	3.41	3.46	3.02	3.75	3.63	3.81	3.80	3.47	3.48	43.05

RAINFALL AT WALTHAM, MASS. Elevation, 30 feet.

(Boston Manufacturing Company.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1825	2.16	**3.43**	6.03	0.48	1.91	5.07	1.14	5.95	2.63	2.86	0.71	5.65	38.02
1826	2.88	1.00	4.23	1.94	0.49	4.04	2.08	7.23	4.15	4.14	2.68	2.58	37.44
1827	**3.92**	**2.97**	6.74	4.26	5.44	2.14	2.71	5.59	7.48	5.95	6.58	3.76	57.54
1828	2.05	3.40	2.88	2.58	6.25	6.16	5.00	0.64	3.47	3.17	5.82	0.30	41.72
1829	4.80	1.98	4.12	4.07	3.13	2.88	5.99	3.21	2.90	1.69	5.74	1.58	42.09
1830	3.14	**1.63**	2.17	3.01	3.81	4.01	6.09	4.54	4.82	2.21	7.57	5.63	48.63
1831	0.64	1.48	4.99	8.63	3.84	4.42	5.13	3.41	4.56	4.95	3.47	0.25	45.77
1832	5.18	2.78	3.60	5.42	7.41	0.54	3.23	5.83	1.78	3.13	4.47	3.84	47.21
1833	1.58	2.02	2.16	3.59	2.91	3.97	3.38	1.33	3.86	6.82	6.22	**5.86**	43.70
1834	**1.39**	0.64	1.31	3.53	6.49	3.69	4.88	2.65	2.93	5.59	2.42	1.37	36.89
1835	3.82	0.88	3.28	4.74	2.18	2.16	8.63	3.47	2.39	3.76	1.67	2.32	39.30
1836	2.72	3.50	2.26	3.00	2.17	3.73	2.40	0.97	1.06	3.55	5.02	4.72	35.10
1837	3.62	3.99	2.34	4.08	6.88	4.06	1.66	2.32	0.66	2.14	2.69	3.54	37.98
1838	2.88	1.89	1.36	3.46	3.43	5.09	1.86	4.74	6.66	4.82	3.56	1.00	40.75
1839	0.98	2.38	1.06	5.76	5.58	3.16	3.71	4.83	1.40	2.39	1.95	5.60	38.80
1840	1.68	2.78	3.28	5.17	2.28	2.41	2.09	5.22	2.89	3.65	7.35	3.20	42.00
1841	4.98	1.12	2.38	6.60	2.02	1.17	2.42	4.84	4.62	3.37	3.67	4.51	41.70
1842	1.04	3.38	2.51	3.16	2.54	5.90	2.20	4.70	2.86	0.96	3.67	5.32	38.24
1843	2.76	1.64	5.78	4.30	0.82	3.73	2.77	8.60	1.02	5.54	3.50	**3.34**	43.80
1844	4.14	**2.03**	4 20	0.24	3.30	1.26	2.44	2 85	4.20	5.86	3.14	2.46	36.12

RAINFALL AT WALTHAM, MASS.— *Continued.*

(Boston Manufacturing Company.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1845	3.44	1.70	2.84	1.76	2.62	2.63	3.84	3.30	2.55	3.80	10.28	4.28	43.04
1846	2.58	**1.50**	4.38	1.57	3.66	2.44	2.38	2.18	0.82	1.09	2.04	3.76	28.40
1847	3.08	3.84	3.26	3.10	2.36	5.94	2.36	4.18	6.88	1.72	4.16	3.02	43.90
1848	3.24	1.56	4.08	1.56	5.96	3.10	1.92	2.28	3.32	4.60	1.68	2.93	36.23
1849	1.36	0.40	6.66	1.32	3.62	2.00	2.16	5.36	1.94	8.00	4.60	3.32	40.74
1850	4.96	2.96	4.12	5.45	7.56	3.72	3.48	9.64	9.92	2.64	3.36	4.32	62.13
1851	1.36	3.92	1.20	8.98	3.60	1.64	3.23	0.99	3.64	4.85	5.34	2.25	41.00
1852	1.83	2.27	4.04	7.70	1.68	3.26	2.11	7.69	2.08	2.10	4.15	3.33	42.24
1853	2.18	5.36	2.33	3.34	6.29	0.95	2.72	7.78	4.50	2.30	5.43	1.86	45.04
1854	1.82	4.25	2.80	4.88	4.03	1.87	2.16	0.57	4.36	3.68	6.62	4.25	41.29
1855	6.44	3.56	0.86	4.34	0.93	3.58	5.40	2.08	0.79	4.48	4.12	4.05	40.63
1856	1.13	0.17	0.63	3.33	5.17	1.59	4.27	13.97	4.79	2.23	3.09	1.96	42.33
1857	2.68	1.40	2.03	7.78	4.56	1.88	6.99	4.77	2.20	4.60	2.04	3.11	44.04
1858	2.00	1.53	0.86	4.10	3.22	6 42	4.02	4.02	3.86	2.21	2.08	3.08	37.40
1859	5.89	2.83	7.36	2.32	3.84	5.03	1.59	5.64	3.96	2.80	3.05	4.18	48.49
1860	1.46	1.58	1.76	1.06	2.21	6.01	5.08	7.52	7.96	2.01	4.82	4.50	45.97
1861	2.56	3.24	3.07	4.60	2.54	2.20	2.83	5.13	2.14	1.91	4.31	1.98	36.51
1862	5.11	2.15	3.66	1.00	2.45	6.10	7.09	3.65	2.89	4.35	5.72	2.25	46.42
1863	2.34	4.06	2.64	7.82	2.23	2.40	11.66	4.39	2.16	3.04	5.92	5.00	53.66
1864	3.00	0.90	6.84	4.44	2.20	0.70	1.16	2.51	2.30	4.97	4.04	3.50	36.56
1865	1.40	2.63	4.25	2.25	6.28	1.36	3.52	2.45	0.82	5.01	3.91	1.96	35.84
1866	1.20	4.78	3.50	1.36	5.50	3.49	5.70	3.42	6.86	1.94	2.60	3.11	43.46
1867	2.50	2.22	4.88	2.49	3.84	2.15	5.30	8.78	0.74	5.16	1.98	1.36	41.40
1868	3.14	0.70	2.43	5.91	10.00	2.00	2.07	4.45	7.12	2.04	3.67	1.12	44.65
1869	6.44	1.00	5.26	2.03	5.03	3.60	2.90	2.06	6.45	5.95	2.08	4.50	47.30
1870	4.60	4.94	3.72	6.58	1.37	4.46	1.90	0.92	1.40	4.83	2.98	1.70	39.40
1 71	1.76	2.64	3.86	3.39	3.28	4.02	2.17	2.52	1.08	5.28	4.70	2.12	36.82
1872	0.68	2.18	3.04	1.80	3.32	4.20	5.24	10.96	6.32	3.60	3.52	0.94	45.80
1873	4.20	2.22	2.72	2.72	3.22	0.80	3.48	6.49	2.91	5.76	4.84	3.22	42.58
1874	2.72	1.63	1.13	6.08	3.16	2.88	2.62	5.96	1.50	0.96	1.90	1.78	32.32
1875	2.04	2.08	3.52	3.54	2.76	5.84	3.56	4.88	2.90	4.00	4.22	0.96	40.30
1876	1.60	4.08	7.16	4.00	2.89	1.58	9.38	1.75	4.00	2.54	6.48	1.88	47.34
1877	2.06	0.72	6.96	3.59	3.59	1.68	2.82	4.92	0.79	7.61	6.99	0.89	42.62
1878	5.35	4.03	4.07	5.11	0.62	2.20	6.15	10.91	1.67	5.03	6.03	4.08	55.25
1879	0.99	1.88	3.06	4.59	1.00	3.61	3.17	5.56	1.71	0.70	2.67	2.92	31.86
1880	3.31	2.56	3.16	2.20	1.48	0.96	6.84	3.80	1.40	3.00	1.24	1.78	31.73
1881	4.04	3.56	4.80	1.68	2.68	5.74	3.18	0.72	1.84	1.52	4.82	3.16	37.74
1882	3.60	3.04	2.92	1.84	4.52	1.86	1.76	0.36	8.64	2.20	1.04	1.24	33.02
1883	2.58	3.00	1.48	2.48	4.20	1.84	2.84	0.00	1.08	5.04	2.18	2.60	29.32
1884	4.44	6.16	4.24	3.52	2.44	3.16	4.84	4.12	0.60	2.96	1.92	4.40	42.80
1885	4.32	2.84	0.48	3.42	3.43	4.69	2.32	5.80	1.74	5.01	6.24	2.22	42.51
1886	7.12	7.84	3.57	2.51	3.18	1.29	3.03	2.78	2.96	2.78	4.28	6.25	47.59
1887	5.99	4.66	5.23	4.76	1.62	2.97	4.58	4.64	1.59	2.91	2.87	4.13	45.95
1888	4.22	3.04	5.17	2.72	5.20	2.14	1.68	6.22	8.50	4.65	9.16	5.72	58.42
1889	6.24	1.53	2.03	4.35	5.35	3.29	9.90	3.50	4.26	3.62	6.08	2.96	53.11
1890	2.30	3.28	7.04	2.51	5.66	2.56	2.13	3.66	4.91	10.48	1.34	5.15	51.02
1891	5.71	4.83	5.96	3.14	1.93	4.02	2.83	5.32	2.53	4.34	2.67	3.90	47.18
1892	5.12	2.71	3.59	0.88	5.81	3.98	2.69	4.12	2.32	1.58	5.94	0.93	39.67
1893	2.31	7.65	2.99	2.94	5.06	2.06	2.46	8.40	1.62	4.13	2.21	5.22	47.05
1894	2.54	2.65	1.20	3.29	4.57	0.51	3.16	1.48	2.29	5.92	3.83	4.30	35.74

RAINFALL AT WALTHAM, MASS. — *Concluded.*

(Boston Manufacturing Company.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	4.08	1.29	3.01	4.67	2.03	3.67	4.04	4.92	2.55	11.08	6.17	2.61	50.12
1896	2.77	4.56	6.29	2.15	2.01	2.65	2.54	2.35	7.22	3.23	3.41	1.24	40.42
1897	4.16	2.64	3.44	2.79	4.64	5.18	3.70	3.54	2.45	0.23	6.76	4.33	43.86
1898	6.19	3.42	2.18	6.54	3.39	1.92	5.74	6.37	1.62	6.93	6.50	3.30	54.10
1899	4.57	4.20	7.28	1.58	1.05	3.48	2.76	2.69	4.72	2.77	2.35	2.09	39.54
1900	4.92	8.00	5.23	2.28	4.78	2.70	2.52	2.20	4.97	4.13	5.26	2.78	49.77
1901	1.36	1.20	6.76	8.62	8.31	1.15	5.34	4.47	3.93	2.72	3.52	8.83	56.21
1902	1.92	4.59	3.71	4.17	1.24	2.72	3.59	3.83	4.93	4.88	1.09	5.04	41.71
1903	4.76	4.23	6.85	4.21	1.75	8.29	3.83	3.54	2.17	4.74	1.82	4.20	50.39
1904	5.85	3.32	3.10	10.56	3.04	2.98	2.64	3.35	7.22	1.41	2.13	2.82	48.42
1905	5.11	1.09	3.25	3.15	1.73	4.52	1.20	3.30	5.40	1.52	2.34	4.79	37.40
1906	3.10	2.76	5.43	3.24	5.49	4.41	3.53	2.78	3.08	3.15	3.11	5.09	45.17
1907	2.87	2.49	2.03	3.99	3.45	2.76	1.56	1.19	8.97	3.62	7.14	4.06	44.13
1908	9.14	4.05	4.03	1.87	3.59	2.00	3.80	4.06	0.83	3.29	0.83	2.60	40.09
1909	3.22	5.56	4.14	4.11	2.29	3.26	2.05	3.43	5.47	1.08	4.04	4.74	43.39
1910	5.11	4.95	0.85	2.65	1.07	4.82	1.58	0.65	2.86	1.69	4.93	2.65	33.81
1911	2.48	2.85	3.62	2.70	0.85	4.66	4.65	6.73	3.84	3.50	5.24	4.28	45.40
1912	3.16	2.52	5.89	4.98	4.70	0.30	4.65	2.58	1.79	2.05	3.05	4.70	40.37
1913	2.99	2.73	5.90	4.12	4.11	1.10	3.06	4.16	3.63	6.11	1.10	1.95	40.96
Av.	3.34	2.90	3.69	3.76	3.55	3.15	3.63	4.24	3.48	3.74	3.98	3.28	42.74

RAINFALL AT WALTHAM, MASS. Elevation, 180 feet.

(Hobbs Brook Reservoir, Cambridge Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	3.39	0.87	2.66	4.40	1.82	4.61	4.68	3.03	2.19	9.87	6.17	1.84	45.53
1896	2.33	5.74	3.58	1.48	2.09	2.21	2.12	3.05	6.81	2.74	2.83	1.97	36.95
1897	4.26	2.86	3.22	2.44	4.19	4.17	4.13	3.89	3.13	0.21	4.54	4.40	41.44
1898	5.91	2.82	3.08	5.72	3.03	2.22	5.33	7.22	2.37	6.17	6.14	1.83	51.84
1899	2.40	4.49	5.22	1.30	1.34	3.15	3.23	3.17	4.08	1.83	3.50	1.58	35.29
1900	4.47	8.08	5.14	2.38	4.84	2.10	2.41	2.14	4.67	3.40	4.68	2.29	46.60
1901	1.34	1.10	5.52	6.72	7.67	1.22	5.83	3.59	2.95	2.75	2.77	8.15	49.61
1902	1.62	3.00	5.10	3.85	1.62	2.22	3.12	4.09	4.04	4.46	0.97	5.84	39.93
1903	3.24	3.34	6.09	3.31	0.82	8.47	3.89	4.08	2.45	4.57	1.48	2.45	44.19
1904	3.01	2.10	2.50	8.55	4.05	3.18	2.35	3.60	5.87	1.73	1.51	2.06	40.51
1905	4.54	1.65	3.27	2.67	1.32	5.90	2.10	3.40	7.45	1.43	2.17	3.70	39.60
1906	2.38	2.88	5.10	2.45	4.70	2.59	5.03	2.75	2.47	2.70	2.47	4.15	39.67
1907	2.53	1.61	1.92	3.37	3.08	2.80	1.90	1.47	7.67	3.30	5.40	2.94	37.99
1908	2.95	3.32	2.67	1.40	4.10	1.55	4.17	4.55	0.90	2.75	0.80	2.50	31.66
1909	3.85	5.05	3.15	3.90	2.20	3.15	3.40	2.85	4.20	1.15	2.95	2.35	38.20
1910	4.33	3.34	1.25	2.45	1.00	3.40	1.50	2.10	2.65	1.31	3.85	2.17	29.35
1911	2.84	2.89	3.20	1.82	0.67	3.23	4.51	4.60	3.40	3.00	4.53	3.43	38.12
1912	2.60	2.25	5.86	3.87	5.22	0.22	5.85	1.97	2.00	2.95	2.85	4.50	40.14
1913	2.87	2.85	5.07	4.33	3.87	1.47	3.25	3.85	2.95	5.82	2.00	2.72	41.05
Av.	3.20	3.17	3.87	3.50	3.03	3.05	3.62	3.44	3.80	3.27	3.24	3.21	40.40

RAINFALL AT WEBSTER, MASS. Elevation, 450 feet.

(Slater and Sons Mill.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	2.84	2.50	3.52	3.42	1.79	3.30	7.94	4.03	1.59	2.95	1.98	1.77	37.63
1881	3.94	4.19	5.28	1.29	4.15	4.04	3.39	1.69	1.43	2.27	4.64	3.90	40.21
1882	5.07	4.50	3.03	2.09	4.40	1.81	0.95	1.60	9.09	2.18	1.53	2.46	38.71
1883	3.00	4.87	2.17	1.24	4.08	3.23	2.14	1.69	2.10	5.20	1.60	3.24	34.56
1884	5.25	6.52	4.92	4.43	4.02	3.85	3.78	3.48	0.92	2.42	2.87	5.82	48.28
1885	4.15	4.42	1.14	2.15	3.40	1.84	1.61	5.67	1.64	3.97	4.50	3.07	37.56
1886	5.47	6.45	3.22	2.09	3.19	1.66	5.00	5.23	3.05	2.31	4.54	5.02	47.23
1887	5.18	5.58	5.22	5.13	1.89	2.78	7.90	5.48	1.09	2.62	2.71	4.35	49.93
1888	3.13	3.74	8.30	2.77	4.61	2.43	1.79	4.83	8.36	6.03	5.45	5.28	56.72
1889	4.76	1.89	1.97	3.40	3.23	2.83	10.53	3.61	3.44	4.91	5.29	2.21	48.07
1890	2.20	3.11	7.19	2.89	5.50	3.14	3.10	4.08	4.55	7.80	1.05	4.99	49.60
1891	8.86	5.44	4.94	3.22	1.77	2.95	3.85	4.43	2.13	2.85	2.72	3.67	46.83
1892	5.36	1.92	3.45	0.56	5.86	3.09	3.55	5.48	1.81	1.20	5.98	1.33	39.59
1893	2.52	6.96	3.69	3.43	5.02	2.05	0.70	3.66	2.70	4.23	2.10	4.28	41.34
1894	3.01	3.85	1.40	3.83	3.97	0.59	1.67	2.01	1.96	3.32	4.16	4.28	34.05
1895	4.19	1.17	3.11	4.09	2.42	3.01	5.07	3.17	3.37	8.28	5.95	2.97	46.80
1896	2.01	6.38	5.07	1.43	1.92	3.19	3.33	2.60	7.20	2.88	2.61	1.86	40.48
1897	3.29	2.49	3.44	2.20	3.95	2.63	6.63	4.10	2.26	1.00	6.17	5.03	43.19
1898	4.05	4.42	2.66	3.69	3.08	2.77	7.20	4.85	2.79	5.82	7.10	2.23	50.66
1899	4.15	4.44	6.84	1.98	1.50	3.55	3.69	1.87	3.72	1.24	2.05	1.66	36.69
1900	4.18	6.95	5.61	2.07	4.69	4.52	3.85	1.39	1.61	3.62	5.08	2.15	45.72
1901	1.08	1.05	5.02	6.36	6.00	1.13	3.90	4.84	3.96	3.32	2.57	9.43	48.66
1902	2.20	5.20	5.23	3.14	1.30	3.54	4.12	3.22	5.11	5.40	1.15	6.03	45.64
1903	3.66	4.46	7.01	2.85	0.90	7.93	3.18	4.67	1.98	3.57	1.88	3.37	45.46
1904	3.34	2.37	3.64	6.81	2.47	2.62	2.13	5.09	4.74	1.83	1.67	2.79	39.50
1905	3.83	1.72	3.15	2.95	1.08	3.88	1.00	4.47	6.60	1.86	2.63	4.14	37.31
1906	2.82	2.92	5.40	2.95	6.49	3.20	4.88	1.97	2.67	4.49	1.85	4.11	43.75
1907	2.91	1.85	2.08	3.16	3.44	3.74	2.19	0.75	8.65	4.72	6.02	4.89	44.40
1908	2.00	2.96	4.54	3.34	4.03	2.80	3.60	8.33	1.16	2.25	0.97	3.30	39.28
1909	3.13	5.90	3.32	5.03	2.46	2.11	1.95	1.91	5.06	1.01	2.34	3.82	38.04
1910	5.44	3.80	1.48	3.10	1.79	4.14	1.46	1.84	1.86	1.58	3.80	2.07	32.36
1911	2.87	2.65	3.55	2.96	0.42	1.51	3.28	6.00	4.51	3.93	4.60	3.44	39.72
1912	1.62	2.98	7.51	4.92	4.42	0.50	4.05	3.38	1.41	1.85	3.44	5.21	41.29
1913	2.82	3.00	6.27	4.74	2.84	2.36	1.67	4.73	4.14	6.35	1.82	4.15	44.89
Av.	3.66	3.90	4.25	3.23	3.30	2.90	3.68	3.71	3.49	3.51	3.37	3.77	42.77

RAINFALL AT WENHAM LAKE (BEVERLY), MASS. Elevation, 60 feet.

(Salem Water Works Pumping Station.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1874	3.26	1.04	2.00	8.21	3.01	2.19	4.28	7.10	1.78	0.50	1.52	2.41	37.30
1875	2.80	1.57	4.38	2.78	4.06	7.39	3.92	6.00	3.46	6.72	6.13	0.94	50.15
1876	1.66	4.29	7.96	3.28	3.65	0.79	7.56	0.75	6.72	1.78	10.68	2.70	51.82
1877	2.50	0.72	7.22	5.12	2.60	2.70	2.64	4.32	0.16	8.15	8.16	1.14	45.43
1878	7.74	6.49	4.20	5.97	0.94	2.16	4.69	11.98	1.94	5.92	7.23	5.36	64.62
1879	1.25	2.50	4.09	4.50	1.98	5.22	2.52	6.47	2.00	1.00	2.80	3.50	37.83
1880	3.10	3.72	3.09	2.00	2.06	1.72	8.11	2.94	1.80	2.38	2.32	3.06	36.30
1881	5.32	3.94	5.44	1.92	4.56	5.52	3.72	1.24	2.54	3.04	4.30	3.40	44.94
1882	4.16	3.16	3.29	2.32	5.34	2.96	3.80	0.80	8.00	1.76	1.52	2.56	39.67
1883	3.32	3.30	3.10	2.48	4.26	3.84	4.64	2.72	1.64	6.02	2.56	2.14	40.02

RAINFALL AT WENHAM LAKE, MASS.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1884	5.28	9.12	6.44	5.52	4.18	3.40	2.70	4.50	0.92	3.46	3.32	5.44	54.28
1885	5.57	3.12	0.83	4.44	4.40	4.63	1.37	6.67	1.60	7.76	7.30	2.06	49.75
1886	6.04	9.55	4.46	2.24	2.57	1.76	4.32	1.44	3.16	4.50	5.79	4.40	50.23
1887	5.87	4.63	5.68	3.91	2.06	2.10	3.03	4.77	1.56	1.58	3.02	3.47	41.68
1888	3.60	2.70	3.92	3.14	5.26	1.34	1.84	4.52	7.26	4.47	5.71	5.36	49.12
1889	4.90	1.26	2.36	3.13	3.86	3.93	7.90	4.26	4.56	4.26	7.56	2.85	50.83
1890	3.06	3.78	5.03	2.35	6.40	4.02	2.69	3.88	3.90	6.64	1.46	4.35	47.56
1891	5.73	4.27	3.45	2.04	1.60	5.09	4.28	3.42	1.90	4.94	2.42	4.09	43.23
1892	3.69	1.92	3.19	0.71	4.52	3.83	2.04	4.50	1.91	2.18	4.25	1.11	33.85
1893	1.20	4.92	0.96	3.29	6.76	2.93	1.45	6.25	1.56	3.76	1.97	4.69	39.74
1894	2.17	2.09	1.21	1.94	5.39	0.25	2.88	2.03	2.64	7.53	3.16	3.33	34.62
1895	2.91	0.44	3.16	3.60	2.38	3.91	4.14	3.44	1.78	6.53	10.71	2.26	45.26
1896	2.27	5.41	3.92	0.83	2.07	2.17	2.98	2.40	7.01	4.44	3.91	1.40	38.81
1897	2.51	1.43	3.21	3.14	6.17	4.76	5.39	3.38	3.19	0.36	6.61	4.21	44.36
1898	5.18	3.59	1.43	6.07	5.00	2.17	5.45	8.46	2.26	9.16	4.38	1.26	54.41
1899	4.18	1.99	6.16	1.91	1.43	4.42	2.68	2.58	5.47	2.43	2.09	1.88	37.22
1900	4.24	7.36	4.28	2.09	4.56	3.47	2.35	2.93	4.19	3.18	3.85	2.00	44.50
1901	1.40	0.22	7.02	8.65	7.09	2.51	4.43	3.20	4.23	2.59	2.56	7.18	51.08
1902	1.80	5.26	4.33	4.72	2.84	2.48	3.09	4.07	3.92	5.58	1.06	4.68	43.83
1903	3.94	3.48	6.45	5.16	0.26	11.70	3.03	4.06	2.90	3.13	1.23	2.38	47.72
1904	3.08	2.58	2.50	10.52	4.66	5.49	1.78	3.31	5.71	2.48	1.51	1.75	45.37
1905	2.59	1.49	2.51	2.74	1.19	5.53	1.27	2.66	8.24	1.37	2.68	4.43	36.70
1906	2.99	2.32	4.74	2.66	5.42	3.35	6.67	2.75	2.19	3.63	3.04	5.79	45.55
1907	2.59	1.18	2.06	2.70	3.70	4.71	4.36	0.99	8.83	3.04	6.01	4.39	44.56
1908	2.40	2.90	3.09	2.01	4.29	0.69	4.42	4.73	0.86	4.85	1.24	3.25	34.73
1909	3.71	4.76	2.73	4.17	2.02	2.79	2.64	2.99	6.14	2.15	4.16	3.11	41.37
1910	4.13	3.09	1.54	2.04	1.36	5.26	2.05	1.48	2.32	1.33	3.75	2.85	31.20
1911	2.78	2.75	3.74	1.86	0.46	4.18	6.50	3.64	3.75	2.69	4.99	3.92	41.26
1912	2.60	2.68	4.02	3.74	4.49	0.55	5.52	2.30	2.85	1.91	3.25	4.70	39.51
1913	2.73	3.52	3.96	4.62	3.17	1.17	2.31	2.88	3.02	6.04	1.93	3.57	38.92
Av.	3.51	3.36	3.85	3.61	3.55	3.48	3.79	3.82	3.50	3.88	4.05	3.33	43.73

Beginning with January, 1912, a standard gage was placed beside the old gage at this station, and the results of a comparison of the standard gage with the observations of the old gage for twenty-nine months indicate that the old gage recorded too great an amount of rainfall by about 10.7 per cent. It is advisable that the readings given in the above table be reduced by that amount beginning with 1899. It is possible that the records of the old gage are also too high for earlier years. The difference is caused by a flange around the upper edge of the gage.

RAINFALL AT WESTBOROUGH, MASS. Elevation, 298 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1875	1.95	4.05	4.55	2.85	3.00	5.12	3.88	4.13	2.49	4.75	3.50	0.50	40.77
1876	1.40	3.75	6.85	4.42	2.95	2.47	8.50	1.92	4.68	2.20	5.13	3.10	47.37
1877	3.37	0.89	8.79	3.16	3.45	1.67	3.33	3.99	0.25	8.37	5.79	0.77	43.83
1878	5.40	6.12	4.49	5.28	0.99	3.53	2.95	6.14	1.15	6.19	6.97	6.12	55.33
1879	2.53	3.31	5.21	4.99	1.27	4.18	3.81	6.57	1.88	0.76	2.54	4.04	41.09
1880	4.06	3.52	3.17	2.78	1.58	2.06	6.80	3.44	1.72	3.68	1.57	2.85	37.23
1881	5.45	5.12	5.69	2.07	3.67	4.75	2.07	1.45	2.47	3.12	3.85	4.10	43.81
1882	4.43	7.32	2.36	1.84	5.10	1.46	1.62	1.37	8.12	1.77	1.12	2.35	38.86
1883	2.77	4.12	1.87	1.71	4.54	2.78	2.60	0.93	1.38	5.54	1.72	3.65	33.61
1884	5.25	7.12	5.11	4.29	3.66	3.75	3.58	3.16	1.13	2.38	2.95	5.49	47.87

RAINFALL AT WESTBOROUGH, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	4.47	4.34	1.05	3.52	2.98	3.23	1.56	7.19	1.34	4.48	6.14	3.07	43.37
1886	5.74	6.28	3.63	2.40	3.01	1.63	3.38	2.16	2.76	2.98	4.82	4.06	42.85
1887	4.85	4.49	4.35	3.36	1.27	2.88	3.71	5.94	1.35	2.80	2.70	3.85	41.55
1888	3.32	3.66	5.77	2.27	5.15	2.27	0.97	5.93	8.18	4.69	6.31	4.98	53.50
1889	5.38	1.63	2.03	3.47	1.84	2.18	8.54	3.86	4.34	4.12	6.30	2.76	46.45
1890	2.42	3.62	6.32	2.62	4.41	1.76	2.43	3.53	3.92	10.85	1.07	4.17	47.62
1891	6.05	4.21	5.89	2.63	1.85	3.14	2.87	3.02	2.62	2.95	2.80	3.25	41.28
1892	5.04	2.46	3.46	0.70	5.59	2.31	2.64	6.40	1.96	0.90	6.15	1.16	38.77
1893	2.40	6.98	3.70	3.59	6.62	2.11	2.15	4.27	1.86	4.03	2.02	4.59	44.32
1894	3.10	3.64	1.40	3.48	4.46	1.02	3.59	6.09	2.20	4.98	3.46	3.78	41.20
1895	3.59	1.35	2.39	4.08	2.09	3.16	4.20	4.98	2.13	9.79	6.79	2.60	47.15
1896	2.15	4.20	6.13	1.29	2.50	3.34	2.41	3.15	7.74	4.14	2.77	1.63	41.45
1897	2.44	2.70	3.91	2.43	4.04	4.53	6.49	2.66	2.22	0.62	6.55	5.29	43.88
1898	4.20	5.19	2.32	4.34	3.04	3.15	4.00	9.02	2.61	6.27	5.95	2.24	52.33
1899	4.79	3.32	6.31	1.82	1.34	3.25	2.50	1.47	4.04	2.41	2.31	1.49	35.05
1900	4.86	8.20	8.05	2.08	4.46	3.50	2.44	2.41	3.06	3.99	6.41	2.79	52.25
1901	1.78	1.00	5.77	8.25	6.93	2.17	6.37	4.82	3.35	3.05	3.16	6.95	53.60
1902	2.62	5.23	4.02	3.72	1.53	2.78	3.03	2.93	4.82	4.70	1.42	6.41	43.21
1903	3.48	3.64	6.85	2.86	0.97	10.37	2.36	3.84	2.88	4.67	1.65	3.31	46.88
1904	4.95	2.00	2.96	8.55	1.99	2.44	2.49	4.40	5.21	1.37	1.80	3.05	41.21
1905	3.67	1.70	3.35	2.94	1.22	6.20	3.79	2.98	6.97	1.52	2.16	3.78	40.28
1906	3.12	3.06	5.92	2.79	6.57	3.82	3.88	4.88	3.59	3.61	2.96	3.75	47.95
1907	3.41	2.59	1.63	3.23	3.74	3.80	2.13	0.90	9.62	4.43	6.41	4.81	46.70
1908	4.06	5.85	4.01	2.11	5.36	0.78	3.94	4.93	0.98	2.43	0.99	2.72	38.16
1909	3.89	6.01	3.92	5.04	2.76	1.92	1.65	3.15	4.74	1.50	2.91	3.95	41.44
1910	5.22	3.10	1.60	2.42	1.22	4.23	1.67	3.78	2.62	1.51	4.56	2.17	34.10
1911	2.76	3.56	3.15	2.85	1.35	3.15	2.92	4.42	2.84	3.95	4.43	2.92	38.30
1912	2.91	2.35	6.46	4.37	5.28	0.49	2.49	2.89	1.22	2.48	3.76	4.47	39.17
1913	2.87	2.40	5.34	4.87	4.46	1.87	3.27	3.85	4.03	6.90	2.75	2.30	44.91
Av.	3.75	3.95	4.37	3.37	3.29	3.06	3.41	3.92	3.34	3.87	3.76	3.47	43.56

RAINFALL AT WESTFIELD, MASS. Elevation, 475 feet.

(West Parish Filters, Springfield Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	2.45	1.40	5.61	4.26	4.81	2.69	4.86	3.74	3.12	4.27	3.41	2.95	43.57
1907	3.12	2.35	1.10	2.86	4.44	5.64	2.86	1.50	11.08	7.11	6.14	5.60	53.80
1908	1.79	5.67	1.92	4.08	6.67	3.43	5.13	4.42	1.43	2.25	0.40	3.43	40.62
1909	4.67	5.42	3.40	6.67	2.87	2.30	2.15	5.54	4.08	1.16	2.37	4.64	45.27
1910	7.37	6.26	0.51	1.80	2.60	4.35	1.50	3.46	3.75	0.95	4.58	1.73	38.86
1911	2.09	2.24	4.05	2.70	1.42	3.36	3.01	6.24	4.68	9.90	3.27	3.62	46.58
1912	2.30	2.99	5.69	5.63	4.48	0.71	2.71	4.26	3.37	5.57	4.42	4.43	46.56
1913	3.75	2.24	6.24	3.55	5.37	1.01	1.38	3.13	3.39	9.09	3.89	3.06	46.10
Av.	3.44	3.57	3.57	3.94	4.08	2.94	2.95	4.04	4.36	5.04	3.56	3.68	45.17

RAINFALL AT WESTON, MASS. Elevation, 60 feet.

(Stony Brook Reservoir, Cambridge Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	3.01	2.86	7.43	3.73	5.65	2.33	2.66	4.43	5.78	8.89	1.28	5.17	53.22
1891	6.14	4.47	6.18	2.89	1.70	4.39	3.21	5.60	2.93	3.86	2.57	3.48	47.42
1892	4.71	2.45	4.08	0.89	5.35	3.91	2.16	5.27	1.99	1.58	5.30	1.11	38.80
1893	2.35	6.19	3.02	3.18	4.71	2.25	2.95	6.89	1.73	3.15	1.99	5.26	43.67
1894	3.63	3.46	1.07	3.20	3.66	0.47	3.27	1.33	2.17	5.25	2.89	4.58	34.98
1895	4.08	1.33	2.84	4.63	2.07	4.11	3.83	4.33	2.28	8.42	7.22	2.58	47.72
1896	2.34	5.96	5.47	1.79	2.03	2.68	2.87	2.79	6.81	3.18	3.27	1.58	40.77
1897	4.38	2.41	3.50	2.72	4.50	5.48	4.70	4.76	2.41	0.39	6.22	4.51	45.98
1898	4.28	4.98	2.11	5.37	3.46	1.88	4.29	6.62	1.90	7.11	6.58	3.10	51.68
1899	4.43	4.83	8.78	1.49	1.06	3.10	3.03	3.66	5.25	1.79	4.44	2.04	43.90
1900	5.41	10.31	5.55	2.08	4.86	2.98	2.66	2.25	4.85	3.63	4.67	2.52	51.77
1901	1.42	1.17	6.71	6.68	7.56	1.13	5.44	4.67	4.01	2.68	2.78	7.38	51.63
1902	1.88	4.12	6.38	3.94	1.30	2.32	3.84	3.56	4.32	4.48	1.06	5.68	42.88
1903	3.77	4.01	6.13	3.37	0.80	7.45	3.38	3.66	1.99	4.19	1.44	2.59	42.78
1904	4.46	3.08	2.60	9.48	2.51	2.64	2.01	2.87	5.70	1.67	1.57	2.94	41.53
1905	5.33	1.62	3.46	2.48	1.59	5.38	1.89	3.11	7.09	1.24	2.27	3.42	38.88
1906	2.56	2.83	6.16	2.39	4.52	2.18	4.87	2.33	2.71	2.86	2.91	4.51	40.83
1907	3.06	1.98	2.02	3.49	3.55	2.52	1.64	1.58	8.36	3.52	6.09	3.84	41.65
1908	3.53	4.83	3.67	1.48	4.28	1.25	3.56	3.97	0.87	2.61	1.05	2.50	33.60
1909	4.21	5.14	3.95	4.00	1.88	3.08	1.61	2.95	5.12	1.20	3.44	4.26	40.84
1910	4.98	3.88	1.53	2.32	1.05	4.25	2.20	1.18	2.88	1.58	4.21	2.26	32.32
1911	2.32	2.97	3.44	2.51	0.63	4.12	4.29	5.68	3.82	2.88	4.54	3.85	41.05
1912	2.70	2.61	6.00	4.16	5.05	0.26	4.27	2.84	1.88	2.56	3.16	5.26	40.75
1913	2.76	3.50	5.52	4.24	4.11	0.87	3.05	4.12	3.72	5.98	2.31	2.99	43.17
Av.	3.66	3.79	4.48	3.44	3.24	2.96	3.24	3.77	3.77	3.53	3.47	3.64	42.99

RAINFALL AT WESTON, MASS. Elevation, 120 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1897	...	...	...	...	...	...	...	...	...	...	6.00	4.41	....
1898	5.19	4.74	1.99	5.41	3.50	1.78	5.33	7.15	2.47	7.15	6.06	3.10	53.87
1899	4.30	3.75	6.69	1.50	1.18	3.35	2.98	2.54	4.84	2.11	2.59	1.51	37.34
1900	4.42	8.17	5.20	2.23	4.97	2.67	2.63	2.52	4.92	3.71	4.66	2.60	48.70
1901	1.49	1.61	6.30	7.02	8.28	1.12	5.76	3.87	3.20	2.78	2.76	7.81	52.00
1902	2.06	5.56	5.35	3.76	1.59	2.52	4.28	4.12	4.02	4.37	0.92	6.43	44.98
1903	3.78	4.26	6.30	3.45	0.81	7.93	4.35	3.92	2.11	4.37	1.51	2.63	45.42
1904	3.23	2.98	2.81	9.58	3.36	2.60	1.93	3.84	5.97	1.71	1.53	2.31	41.85
1905	5.05	2.16	2.79	2.86	2.15	4.38	2.02	2.81	7.99	1.30	2.17	3.83	39.51
1906	2.22	2.14	4.64	2.59	4.63	2.69	4.50	3.46	2.56	2.76	2.50	4.55	39.33
1907	2.88	2.13	1.72	2.30	...	...	...	...	...	...	...	...	....
Av.	3.53	3.93	4.67	4.27	3.39	3.23	3.76	3.80	4.23	3.36	2.75	3.86	44.78

RAINFALL AT WILLIAMSTOWN, MASS. Elevation, 711 feet.

(Williams College.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1854	...	...	...	...	...	...	...	...	5.86	1.93	4.71	1.10	....
1855	2.52	1.43	0.21	5.64	2.85	5.48	6.75	3.56	1.92	12.93	4.59	6.63	54.51
1856	2.23	0.96	1.65	2.09	6.25	...	1.27	14.79	4.25	1.20	2.51	3.76	....
1857	...	3.68	...	...	...	...	4.05	5.19	3.32	4.87	1.76	3.86	....
1858	2.99	1.00	1.06	2.24	3.54	2.82	4.37	5.77	2.97	3.15	3.11	1.74	34.76
1859	7.33	1.74	4.62	3.88	...	...	3.46	2.56	3.78	1.31	3.04	5.05	....
1860	1.04	2.37	2.20	1.02	2.38	4.09	7.18	4.86	5.07	2.48	4.43	3.37	40.49
1861	1.02	2.92	4.41	5.32	5.25	2.08	6.09	4.14	3.82	4.15	3.17	2.13	44.50
1862	3.65	...	...	...	...	...	...	...	...	...	...	...	....
1863	...	...	...	...	...	1.53	9.87	5.24	3.05	2.32	4.26	4.13	....
1864	1.24	1.49	2.24	1.92	1.98	1.64	1.91	4.96	3.06	3.58	3.16	4.18	31.36
1865	...	1.04	5.29	4.10	...	2.93	4.83	0.65	2.27	5.27	1.79	2.12	....
1866	1.01	1.78	1.76	0.75	3.38	4.38	4.05	3.38	4.97	2.37	4.00	3.75	35.58
1867	1.65	2.35	1.38	3.96	5.90	1.47	3.61	5.21	2.20	1.27	3.39	1.55	33.94
1868	2.42	1.95	1.20	2.60	5.43	1.22	0.37	3.40	6.50	0.93	4.42	2.49	32.93
1869	3.52	3.78	4.44	3.16	3.28	3.84	5.17	...	3.18	10.68	1.09	4.41	....
1870	5.46	5.80	4.76	3.29	1.27	5.05	3.89	5.77	2.24	4.30	2.25	0.76	44.84
1871	1.12	1.50	3.02	2.29	2.19	4.85	4.72	6.53	1.00	2.00	2.74	3.61	35.57
1872	1.05	...	3.56	...	...	...	...	...	...	...	...	...	....
1873	...	...	...	...	...	...	...	...	...	...	...	...	....
1874	...	...	9.95	0.90	...	...	...	...	...	...	0.80	0.10	....
1875	...	...	...	...	...	3.51	3.94	5.06	3.49	5.26	3.84	1.44	....
1876	3.52	4.48	4.68	3.52	2.69	6.59	6.77	1.63	3.85	0.79	3.56	3.00	45.08
1877	...	0.22	4.64	1.29	...	4.22	...	...	...	...	...	...	....
1878	...	...	...	...	...	...	...	3.25	1.62	3.06	4.29	3.70	....
1879	2.00	1.86	2.37	3.04	...	...	...	3.93	4.62	0.93	3.43	2.59	....
1880	3.39	2.60	1.46	4.77	2.58	1.55	4.36	3.59	3.09	2.46	1.51	2.39	33.75
1881	1.88	6.19	2.28	...	3.53	2.08	5.16	1.02	2.26	2.28	3.33	5.04	....
1882	2.23	...	2.35	1.72	4.26	3.85	2.42	3.26	7.04	0.32	1.18	0.96	....
1883	...	2.64	0.87	1.98	3.81	3.19	4.59	2.92	2.64	3.32	1.65	...	....
1884	1.75	3.76	3.89	1.83	2.51	1.65	...	...	0.58	2.98	2.92	3.72	....
1885	6.63	3.56	0.96	3.18	2.00	1.48	2.87	6.66	1.65	3.12	3.97	3.43	39.51
1886	3.92	2.61	5.01	1.56	4.77	2.72	4.20	1.56	4.31	2.60	5.80	4.04	43.10
1887	6.29	4.50	5.15	3.23	1.31	4.33	10.82	7.03	2.30	1.13	3.77	4.30	54.16
1888	...	2.18	7.89	2.80	3.64	3.90	1.23	4.48	4.21	5.06	4.12	3.38	....
1889	2.96	1.22	1.10	2.31	1.78	5.08	5.81	2.94	2.39	2.95	4.20	3.30	36.04
1890	3.41	3.92	4.06	1.46	4.68	1.72	...	...	...	...	...	...	....
1891	...	...	...	...	...	...	5.43	4.48	0.74	1.80	1.80	3.59	....
1892	2.68	1.13	1.75	0.40	5.43	2.07	4.22	4.58	1.68	1.57	2.99	5.46	33.96
1893	2.72	3.72	1.39	2.43	2.75	2.08	1.46	5.84	4.46	2.26	1.22	5.94	36.27
1894	2.54	2.29	1.13	1.82	3.16	2.99	3.39	1.46	4.58	4.91	...	1.75	....
1895	1.87	1.70	2.10	3.90	2.10	3.62	2.37	3.25	2.22	3.74	4.12	3.11	34.10
1896	0.71	2.29	3.10	0.79	2.22	2.55	3.89	3.06	4.83	2.94	2.98	1.46	30.82
1897	2.62	1.37	2.93	3.50	4.21	6.61	9.74	3.40	2.12	0.86	6.46	4.61	48.43
1898	5.25	2.15	2.47	3.60	4.10	3.01	1.48	8.51	3.22	6.99	3.25	2.42	46.45
1899	1.61	2.31	4.05	1.58	1.06	3.66	5.03	1.60	5.31	1.11	1.30	2.29	30.91
1900	3.61	3.46	3.14	1.17	2.43	4.94	5.56	5.91	1.21	3.52	3.59	1.54	40.08
1901	1.69	0.48	4.58	5.76	4.98	1.80	5.78	7.14	1.98	1.91	2.46	4.63	43.19
1902	1.24	2.45	3.56	3.70	3.30	4.83	4.64	5.14	4.01	3.66	0.97	4.41	41.91

RAINFALL AT WILLIAMSTOWN, MASS. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	2.68	3.55	4.67	1.37	0.63	9.07	3.49	7.51	1.36	4.46	1.92	2.19	42.90
1904	1.96	0.94	1.51	2.22	3.24	5.29	1.60	4.34	5.39	2.56	1.68	1.39	32.12
1905	1.91	0.56	2.74	1.89	1.19	5.74	5.35	4.55	3.24	2.05	1.95	2.13	33.30
1906	1.36	1.89	2.33	2.93	5.40	3.55	5.50	2.77	1.63	3.18	2.45	3.09	36.08
1907	2.24	1.52	1.56	2.88	2.22	3.86	3.96	1.25	6.06	6.50	3.42	2.17	37.64
1908	0.95	2.29	2.03	2.85	5.19	3.24	4.98	3.91	0.38	1.74	0.83	2.09	30.48
1909	3.69	4.46	2.96	3.12	2.84	3.54	1.51	5.37	4.27	1.33	1.49	1.70	36.28
1910	3.90	3.14	1.02	2.53	5.06	3.03	2.61	2.01	5.68	2.03	3.61	2.32	36.94
1911	2.38	0.75	2.49	1.12	1.62	3.85	2.30	4.41	4.21	5.08	1.93	1.82	31.96
1912	2.00	1.23	3.28	4.12	4.83	1.62	2.69	3.64	2.35	4.55	2.44	3.59	36.34
1913	2.99	2.32	6.08	1.76	2.89	0.87	3.88	1.26	2.92	3.91	1.63	2.33	32.84
Av.	2.63	2.30	2.71	2.74	3.16	3.61	4.32	4.34	3.24	3.14	2.99	3.01	38.19

RAINFALL AT WINCHENDON, MASS. Elevation, 975 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.40	2.22	1.16	2.88	2.76	2.26	1.54	1.06	7.09	2.63	2.06	3.25	31.31
1895	2.90	0.68	2.17	4.34	1.93	2.72	4.58	4.14	3.43	4.19	5.46	3.60	40.14
1896	1.14	3.51	6.63	1.57	2.72	1.49	3.40	2.65	6.10	4.30	2.35	1.41	37.27
1897	3.71	2.15	3.67	2.33	4.06	5.34	10.25	5.62	1.78	0.82	6.40	5.01	51.14
1898	4.88	3.47	1.20	4.50	4.53	4.44	2.04	5.89	4.16	6.90	5.99	2.64	50.64
1899	2.77	3.05	5.61	1.23	1.39	5.73	5.93	2.91	4.57	1.62	2.25	2.00	39.06
1900	4.27	6.19	5.22	2.05	2.92	3.26	2.85	3.31	5.02	3.64	7.22	2.49	48.44
1901	1.49	0.85	4.78	5.08	6.15	1.61	4.53	5.06	2.65	3.52	2.27	7.98	45.97
1902	2.02	3.14	4.88	3.35	2.88	3.71	5.01	4.87	4.24	4.25	1.00	6.70	46.05
1903	2.70	3.73	6.15	2.35	1.29	8.18	6.05	3.36	1.95	2.86	2.03	3.48	44.13
1904	3.17	1.70	3.01	6.40	3.16	2.85	2.51	7.08	5.27	1.61	1.24	2.40	40.40
1905	4.01	1.46	2.88	2.02	0.89	8.37	3.63	5.14	6.07	1.63	2.66	3.12	41.88
1906	1.92	2.21	3.89	1.76	5.24	4.08	4.45	3.37	1.80	3.53	1.93	3.47	37.65
1907	2.50	1.30	1.56	2.22	3.29	2.78	5.69	1.73	8.36	4.77	4.32	2.59	41.11
1908	2.13	3.22	2.46	1.53	4.28	0.97	2.94	7.22	0.95	1.55	1.03	2.44	30.72
1909	3.94	5.13	3.03	5.07	2.59	2.80	2.66	3.51	4.09	1.19	2.23	2.47	38.71
1910	5.04	4.55	1.54	2.89	3.07	2.21	1.64	3.18	3.05	1.11	2.98	1.99	33.25
1911	2.37	2.00	3.69	1.85	0.75	2.24	2.62	5.88	3.12	7.40	3.37	3.01	38.30
1912	2.16	2.18	4.95	3.94	4.50	0.83	2.41	2.17	3.58	2.31	4.17	4.06	37.26
1913	2.62	2.87	5.47	3.14	4.12	1.02	0.98	3.26	3.39	4.49	2.44	3.21	37.01
Av.	2.91	2.78	3.70	3.02	3.13	3.34	3.79	4.07	4.03	3.21	3.17	3.37	40.52

RAINFALL AT WINCHESTER, MASS. Elevation, 90 feet.
(North Reservoir, Winchester Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1880	2.61	4.23	2.49	2.18	2.02	1.49	7.24	3.63	1.43	2.69	1.91	2.50	34.42
1881	6.32	3.05	4.49	1.54	2.60	6.52	2.92	0.57	2.02	1.19	3.14	3.39	37.75
1882	3.93	6.39	2.66	2.13	4.58	2.06	2.77	1.05	8.45	1.45	1.76	2.26	39.49
1883	2.29	3.16	2.17	2.42	3.60	1.62	2.54	0.85	1.44	4.20	1.98	3.36	29.63
1884	5.04	4.97	4.30	3.12	3.00	2.05	3.41	5.07	1.28	2.51	1.98	4.69	41.42
1885	4.87	3.44	1.14	3.33	3.90	4.41	1.74	5.95	1.32	5.60	6.28	2.11	44.09
1886	6.40	7.20	3.72	1.91	2.78	1.56	3.70	3.48	3.04	2.78	4.06	4.99	45.62
1887	4.27	4.81	5.41	4.00	1.66	2.71	6.74	4.76	1.46	3.02	3.16	3.43	45.43
1888	3.80	3.25	4.53	2.82	4.96	2.21	2.26	6.72	7.79	4.73	6.30	4.94	54.31
1889	4.60	3.74	4.00	2.88	4.85	2.11	2.11	5.97	8.20	4.87	6.68	5.12	55.13
1890	2.60	3.39	6.21	2.49	6.41	3.42	2.27	3.56	3.50	8.39	1.41	4.32	47.97
1891	6.32	4.51	5.93	2.73	2.17	4.33	3.02	3.30	2.37	4.53	2.43	3.20	44.84
1892	4.49	3.03	3.76	0.74	4.88	4.26	1.54	4.49	1.61	0.91	4.10	1.10	34.91
1893	2.26	3.36	1.92	3.09	5.18	1.81	1.94	5.91	2.07	3.86	1.85	4.31	37.56
1894	3.23	2.73	0.96	2.60	4.24	0.31	3.14	1.24	1.97	4.93	3.58	4.18	33.11
1895	3.26	0.44	2.58	3.91	3.59	3.89	4.13	5.56	2.56	9.70	6.02	2.64	48.28
1896	1.98	3.84	7.14	1.56	1.89	2.18	2.00	2.32	7.99	3.01	2.51	2.18	38.60
1897	3.95	2.37	3.26	3.20	4.84	5.53	3.34	3.53	2.67	0.34	6.06	3.92	43.01
1898	4.51	3.38	2.17	5.76	4.55	1.64	4.39	8.23	2.30	7.62	6.06	3.89	54.50
1899	3.23	4.00	5.34	1.31	0.93	2.77	2.67	2.23	4.54	1.08	3 27	1.30	32.67
1900	4.61	8.08	4.68	2.00	4.49	2.16	1.87	2.23	2.53	3.00	4.64	2.11	42.40
1901	2.55	1.44	4.83	7.78	6.10	0.95	4.46	3.48	3.60	2.45	2.71	6.53	46.88
1902	2.14	5.28	6.18	4.07	0.58	1.92	2.37	3.43	2 45	4.95	1.19	5.91	40.47
1903	3.31	3.70	5.68	4.14	0.41	9.90	2.25	3.02	1.63	3.65	1.38	2.25	41.32
1904	4.59	2.60	1.74	8.47	3.18	3.04	1.51	3.19	5.10	1.69	1.58	2.22	38.91
1905	5.26	1.70	2.59	2.73	1.26	6.14	1.10	3.65	7.72	1.28	2.51	3.69	39.63
1906	2.88	2.76	9.27	2.55	5.15	2.95	5.22	2.57	2.02	2.69	2.83	5.90	46.79
Av.	3.90	3.74	4.04	3.17	3.47	3.11	3.06	3.70	3.45	3.60	3.38	3.57	42.19

RAINFALL AT WINCHESTER, MASS. Elevation, 20 feet.
(Wedgemere.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1878	5.67	5.75	4.01	5.76	0.66	2.56	3.39	7.44	3.27	5.13	5.78	5.04	54.46
1879	1.87	2.76	3.68	4.75	1.80	4.05	2.31	5.58	1.65	0.76	2.80	3.78	35.79
1880	2.83	4.28	2.45	2.34	2.00	1.54	7.11	3.38	1.42	2.60	1.94	2.50	34.39
1881	5.52	3.65	6.68	1.44	3.07	6.75	2.69	0.73	2.31	2.17	3.57	3.31	41.89
1882	5.59	4.72	2.53	2.13	4.58	2.06	2.29	1.05	8.45	1.94	1.79	2.26	39.39
1883	2.69	3.05	2.19	2.42	3.55	1.64	2.84	0.88	1.47	5.52	1.98	3.36	31.59
1884	4.89	5.72	4.29	3.07	3.03	4.75	3.71	5.03	0.67	2.81	1.98	4.69	44.64
1885	4.87	3.44	1.14	3.33	3.90	4.41	1.80	5.95	1.32	5.60	6.28	2.11	44.15
1886	6.40	7.15	3.72	1.91	2.76	1.56	3.70	3.48	3.04	2.72	4.06	4.97	45.47
1887	5.27	4.51	4.96	4.69	1.63	2.70	6.74	4.76	1.46	3.02	3.16	3.43	46.33
1888	4.35	3.42	5.00	2.88	4.85	2.29	2.11	5.97	8.29	4.87	6.68	5.12	55.83
1889	5.13	1.82	2.21	3.59	4.56	3.27	8.10	4.18	4.61	3.47	5.06	2.80	48.80
1890	2.66	3.40	6.47	2.35	6.41	3.42	2.19	3.56	3.50	8.39	1.41	4.26	48.02
1891	6.20	5.17	5.95	2.80	2.37	4.33	3.20	3.66	2.01	4.53	2.43	3.20	45.85
1892	4.49	3.03	3.76	0.74	5.32	4.20	2.61	4.59	1.88	1.56	4.13	1.09	37.40
Av.	4.56	4.12	3.94	2.95	3.37	3.30	3.65	4.02	3.02	3.67	3.54	3.46	43.60

RAINFALL AT WINCHESTER, MASS. Elevation, 25 feet.
(Mystic Upper Lake Dam, Boston Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1876	1.63	3.67	8.72	4.37	2.83	1.09	8.67	0.87	4.49	1.90	6.64	2.12	47.00
1877	3.07	0.76	6.72	3.45	3.17	1.69	2.30	5.94	0.39	7.61	7.11	0.89	43.10
1878	5.67	5.72	3.86	5.69	0.69	2.67	3.66	7.57	3.12	4.76	5.61	4.65	53.67
1879	1.77	2.69	3.37	4.54	1.92	3.92	2.46	5.39	1.55	0.77	2.73	3.70	34.81
1880	2.40	4.18	2.53	2.02	2.04	1.44	7.36	3.89	1.43	2.79	1.87	2.50	34.45
1881	6.13	3.60	6.70	1.64	2.90	6.92	2.52	0.60	2.04	2.14	3.48	3.26	41.93
1882	5.50	4.64	2.45	2.09	4.58	2.12	2.39	1.08	8.25	1.94	1.70	2.20	38.94
1883	2.65	3.08	2.25	2.52	3.62	1.63	2.73	0.86	1.52	5.38	1.98	2.63	30.85
1884	4.60	6.45	4.22	3.29	2.87	4.52	3.73	4.68	0.73	2.59	2.03	4.43	44.14
1885	4.79	3.36	1.21	3.56	3.99	4.41	2.28	5.85	1.53	5.44	6.34	2.09	44.85
1886	6.23	7.20	3.96	2.29	3.13	1.52	3.72	3.00	2.87	2.98	4.07	4.68	45.65
1887	5.22	4.43	5.04	4.52	1.75	2.69	6.43	5.17	1.54	3.06	2.94	3.72	46.51
1888	3.75	3.14	5.37	2.80	5.35	2.11	2.35	6.49	8.83	5.04	7.02	5.42	57.67
1889	5.88	1.90	2.36	3.63	4.72	3.36	8.81	3.66	4.80	3.71	6.24	2.92	51.99
1890	2.79	3.36	6.89	2.46	6.19	3.34	2.34	3.72	3.90	9.29	1.36	5.08	50.72
1891	6.29	4.98	6.19	3.50	2.55	4.53	3.16	4.10	2.31	4.94	2.78	3.62	48.95
1892	4.54	3.00	4.25	0.89	5.85	4.10	2.54	5.05	2.13	2.11	5.16	1.21	40.83
1893	2.26	7.50	2.55	3.37	6.26	2.10	2.04	5.41	2.01	4.10	2.25	4.35	44.20
1894	3.93	3.31	1.09	3.48	5.18	0.72	3.45	2.52	2.52	5.58	3.49	3.97	39.24
1895	3.84	0.88	3.15	4.46	2.71	3.51	4.66	5.31	2.23	9.24	7.95	1.96	49.90
1896	2.77	5.09	5.19	1.99	2.13	2.51	2.45	2.90	7.78	3.37	3.56	2.39	42.13
1897	3.81	2.62	3.34	3.11	5.05	5.82	4.24	3.35	3.26	0.44	6.74	4.80	46.58
1898	5.62	5.00	2.11	6.21	3.97	2.06	5.57	7.50	2.64	7.37	6.81	3.00	57.86
Av.	4.14	3.94	4.06	3.30	3.63	2.99	3.91	4.12	3.12	4.20	4.34	3.29	45.04

RAINFALL AT WORCESTER, MASS. Elevation, 400 feet.
(Worcester Sewage Disposal Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1895	...	...	...	...	...	...	...	5.00	1.95	9.57	6.39	2.82	..
1896	1.18	5.80	4.35	0.94	2.43	2.76	3.01	2.92	7.24	3.26	2.52	1.91	38.32
1897	2.44	2.64	3.63	2.36	3.86	3.18	6.49	2.66	1.65	0.70	6.27	5.58	41.46
1898	4.80	4.15	2.17	3.49	2.22	2.10	2.99	7.34	3.52	7.03	6.68	2.95	49.44
1899	3.73	3.75	5.27	2.06	0.90	3.80	3.27	1.62	4.30	1.92	2.36	1.77	34.75
1900	4.35	8.10	6.13	2.54	3.84	4.65	2.80	3.20	2.27	1.85	4.69	2.05	46.47
1901	1.19	0.67	4.74	6.64	4.68	1.23	2.87	3.34	2.94	2.68	1.94	7.31	40.23
1902	2.14	4.13	5.08	4.44	1.50	3.94	4.30	3.21	3.22	5.92	1.12	5.97	44.97
1903	3.34	4.20	6.65	2.47	1.06	9.45	2.93	3.84	1.82	3.72	1.80	3.37	44.65
1904	3.61	2.29	3.00	7.44	2.16	2.25	2.97	4.32	5.48	1.11	1.56	2.38	38.57
1905	4.45	2.05	3.08	2.70	1.58	5.43	2.64	2.73	6.43	1.80	2.63	3.44	38.96
1906	2.54	2.60	5.45	2.82	5.75	4.14	8.20	2.12	2.89	3.97	2.65	3.80	46.93
1907	2.76	1.84	1.69	2.72	2.92	3.82	2.55	1.08	9.38	4.63	6.06	4.53	43.98
1908	3.28	4.14	3.78	2.12	4.78	1.17	3.16	6.24	1.44	1.92	0.96	3.00	35.99
1909	2.91	5.66	4.13	5.48	2.57	2.21	0.97	2.96	3.96	1.11	2.18	3.51	37.65
1910	5.75	4.38	0.94	2.77	1.55	4.00	2.23	3.20	2.78	1.23	3.51	2.05	34.39
1911	2.76	2.28	3.50	2.61	2.11	2.00	2.43	4.56	3.67	4.60	4.59	3.17	38.28
1912	2.18	2.74	6.24	4.18	5.32	0.18	2.76	3.37	1.45	1.41	4.46	4.92	39.21
1913	2.97	3.04	5.10	4.61	4.15	1.36	2.59	2.54	3.77	6.35	2.48	3.05	42.01
Av.	3.13	3.58	4.16	3.47	2.96	3.20	3.29	3.40	3.79	3.07	3.25	3.60	40.90

RAINFALL AT WORCESTER, MASS. Elevation, 600 feet.
(Worcester Insane Hospital.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1841	4.78	0.83	3.43	6.54	3.46	0.92	2.94	2.97	4.27	3.84	4.17	4.77	42.92
1842	1.35	4.13	2.24	2.82	3.24	4.93	1.96	7.12	3.50	0.83	3.36	5.30	40.78
1843	5.05	4.45	5.23	3.13	1.73	4.15	3.39	9.19	1.25	5.19	3.63	2.28	48.67
1844	3.14	1.44	3.80	0.35	3.67	1.92	3.50	3.39	3.68	7.34	3.06	2.56	37.85
1845	4.17	2.61	3.29	1.61	3.23	3.14	2.91	2.36	2.57	4.44	6.77	5.39	42.49
1846	2.92	2.50	3.33	1.34	5.85	2.37	3.81	2.44	0.90	2.19	4.08	2.87	34.60
1847	4.66	4.08	3.89	1.67	3.52	5.29	4.86	4.20	7.17	2.87	3.75	4.93	50.89
1848	3.08	1.61	3.89	1.52	6.82	1.31	3.13	3.19	2.36	5.75	1.94	3.93	38.53
1849	0.98	1.30	4.75	1.95	3.56	1.25	1.60	4.28	2.49	6.45	4.11	3.12	35.84
1850	4.79	3.23	3.67	5.53	7.50	3.25	3.75	6.05	7.92	3.37	2.14	4.19	55.39
1851	2.07	4.01	1.40	6.76	4.73	3.16	2.17	1.97	2.59	7.04	5.68	2.30	43.88
1852	5.44	2.46	3.42	10.77	3.15	3.53	3.42	11.38	3.36	3.89	5.88	4.78	61.48
1853	3.04	8.09	3.60	4.92	5.45	1.01	3.29	10.71	5.26	6.20	5.30	3.79	60.66
1854	2.82	6.62	3.45	6.69	6.78	3.05	5.68	0.35	5.53	5.03	9.82	3.34	59.16
1855	8.11	4.48	0.23	5.39	1.64	4.19	9.40	4.06	0.20	8.17	5.85	6.90	58.62
1856	4.60	1.35	1.69	3.34	6.55	1.44	2.68	13.14	3.39	2.65	2.03	4.08	46.94
1857	4.48	2.24	2.80	8.77	4.56	3.44	3.80	5.75	4.92	3.93	3.12	6.11	53.92
1858	3.06	1.10	2.29	4.14	4.13	5.16	4.18	4.00	5.70	3.09	1.69	3.19	41.73
1859	5.75	3.67	7.71	2.90	3.65	5.17	1.26	5.45	4.00	2.46	3.00	4.55	49.57
1860	1.34	2.77	2.26	1.36	2.66	6.65	7.91	5.76	6.02	2.47	4.38	5.05	48.63
1861	4.33	1.60	2.85	5.71	3.50	2.46	5.29	3.99	3.11	3.38	3.93	1.81	41.96
1862	4.47	2.44	3.51	2.34	1.87	7.44	6.10	2.64	2.14	3.22	5.35	2.50	44.02
1863	4.09	3.42	5.78	5.28	1.76	1.18	8.87	3.96	2.56	4.85	4.77	4.41	50.93
1864	4.54	1.74	3.90	5.66	5.96	2.40	1.68	3.11	2.93	4.29	4.81	3.67	44.69
1865	3.92	3.26	4.72	2.51	5.33	1.72	3.37	3.39	0.68	0.51	2.36	2.75	34.52
1866	2.56	5.27	3.18	2.09	5.33	3.40	3.78	3.22	4.77	2.37	2.51	3.73	42.21
1867	5.16	4.42	4.40	2.50	4.91	3.32	3.36	10.79	1.97	3.79	2.19	2.07	48.88
1868	3.27	1.53	2.82	5.18	8.30	3.08	1.08	3.57	8.60	1.14	4.24	1.85	44.66
1869	2.82	5.49	4.83	2.52	5.77	3.08	1.40	2.21	4.74	9.81	2.43	5.25	50.35
1870	6.34	3.04	2.34	6.03	2.40	2.09	2.39	1.74	1.40	5.89	3.48	4.10	41.24
1871	4.53	4.36	4.68	3.68	3.70	5.39	3.70	3.94	0.90	5.31	4.57	1.15	45.91
Av.	3.92	3.21	3.53	4.03	4.35	3.25	3.76	4.85	3.58	4.25	4.01	3.77	46.51

RHODE ISLAND.

RAINFALL AT BLOCK ISLAND, R. I. Elevation, 26 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1881	2.16	4.74	5.08	1.91	5.51	12.93	1.61	4.30	3.78	5.29	6.47	5.66	59.44
1882	8.57	9.73	5.39	4.83	5.51	2.86	3.62	1.48	5.96	3.87	2.26	3.57	57.65
1883	3.95	4.09	2.47	3.49	2.89	1.54	3.53	1.74	2.60	7.38	3.16	2.85	39.69
1884	6.43	7.31	6.40	4.10	6.39	2.59	6.52	6.41	0.62	3.89	5.93	6.56	63.15
1885	5.30	3.68	0.81	2.65	4.14	1.90	0.86	3.15	1.60	5.81	4.79	4.68	39.37
1886	7.04	8.89	5.42	3.26	4.14	2.15	1.68	2.47	2.90	4.71	5.16	6.70	54.52
1887	6.98	7.02	4.49	3.49	0.51	2.75	7.52	3.13	2.00	2.28	1.68	2.70	44.55
1888	2.12	1.14	2.80	1.35	3.54	0.62	1.03	1.32	5.49	2.37	4.17	1.23	27.18
1889	2.16	1.57	2.30	2.10	3.21	2.84	2.92	3.37	3.41	3.11	4.86	0.95	32.80
1890	2.33	1.50	5.16	3.37	3.83	1.35	1.39	2.09	2.69	4.57	0.66	2.57	31.51
1891	4.25	3.97	2.42	2.81	2.14	1.83	3.38	3.51	1.69	7.33	2.89	2.81	39.03
1892	4.19	1.35	4.93	2.79	4.27	1.43	2.45	5.71	3.77	2.12	8.31	1.74	43.06
1893	2.65	6.06	5.73	5.45	4.92	1.61	0.97	5.41	2.58	2.75	2.16	4.55	44.84
1894	3.16	4.43	2.15	3.89	3.36	0.51	0.22	1.53	2.03	6.15	4.81	5.22	37.46
1895	4.12	1.13	4.76	6.15	4.08	1.80	8.57	4.27	1.46	4.62	5.81	2.44	49.21

RAINFALL AT BLOCK ISLAND, R. I. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	2.02	4.85	5.14	1.73	3.95	3.27	3.51	2.08	7.76	5.26	2.47	2.55	44.59
1897	3.93	2.83	3.06	5.70	4.31	3.06	5.08	3.41	3.95	1.83	9.42	5.61	52.19
1898	5.42	5.20	3.89	5.66	6.54	0.92	7.87	7.69	0.96	7.18	7.55	3.22	62.10
1899	5.18	4.96	8.54	2.13	2.09	2.48	4.49	1.79	4.92	2.23	1.04	1.46	41.31
1900	3.86	4.48	3.92	2.63	3.43	1.24	2.27	2.85	2.26	3.50	4.66	2.47	37.57
1901	1.95	0.83	5.60	6.53	5.93	2.56	1.24	3.82	4.07	3.44	2.62	8.67	47.26
1902	1.67	6.15	6.33	3.29	1.04	5.35	2.31	1.42	3.96	4.70	1.77	7.64	45.63
1903	4.42	4.61	8.03	5.61	0.86	4.82	1.90	4.33	1.15	2.66	2.77	2.45	43.61
1904	2.54	3.12	1.59	5.31	2.40	3.67	2.14	6.80	1.29	1.86	2.11	2.93	35.76
1905	2.46	1.39	2.19	2.10	2.35	5.16	2.59	4.83	4.79	1.37	2.28	4.03	35.54
1906	3.03	4.39	5.71	2.03	5.03	1.90	3.88	1.84	2.08	2.69	2.46	3.51	38.55
1907	3.37	2.20	2.80	2.69	4.95	1.81	1.74	1.28	4.84	2.19	6.35	5.68	39.90
1908	2.80	3.53	3.28	2.62	4.76	2.02	2.34	3.34	0.77	5.17	1.20	4.62	36.45
1909	3.95	5.70	2.60	7.97	3.26	1.43	0.93	1.71	3.68	1.74	3.15	3.10	39.22
1910	4.86	4.22	1.58	1.24	3.36	2.82	1.73	2.34	1.21	2.37	5.58	2.50	33.81
1911	3.19	2.01	3.16	4.50	1.08	1.57	2.95	9.79	2.03	3.94	6.06	2.98	43.26
1912	3.29	2.47	7.65	3.85	4.43	0.21	7.17	3.18	1.80	1.14	3.18	5.66	44.03
1913	5.25	3.90	2.88	4.91	1.65	0.73	1.23	2.36	3.09	4.06	2.24	3.50	35.80
Av.	3.90	4.04	4.19	3.70	3.63	2.54	3.08	3.48	2.95	3.74	3.94	3.84	43.03

RAINFALL AT BRISTOL, R. I. Elevation, 53 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	6.59	4.77	3.97	3.70	2.06	3.57	3.72	4.55	1.50	2.64	2.34	4.21	43.62
1888	4.15	3.11	7.14	2.15	5.41	1.32	3.02	5.26	6.74	2.74	6.76	2.95	50.75
1889	5.82	2.35	2.13	3.36	5.40	2.59	6.63	5.40	4.41	4.99	6.01	1.39	50.48
1890	2.43	2.51	8.14	3.54	5.48	5.17	1.66	3.87	4.00	8.20	0.85	4.95	50.80
1891	8.06	6.29	5.12	3.87	1.93	1.25	2.29	2.26	1.82	3.68	2.52	3.19	42.28
1892	5.08	1.46	4.27	1.72	4.40	2.23	1.45	4.18	2.78	1.15	5.67	1.37	35.76
1893	2.20	6.83	3.17	2.83	3.65	2.26	**1.48**	**4.78**	**3.14**	**3.24**	2.70	5.17	41.45
1894	3.58	3.75	1.10	4.30	3.85	1.05	2.22	1.57	2.94	6.82	4.14	5.21	40.53
1895	3.69	0.51	3.83	6.30	4.11	3.06	2.98	2.54	1.21	5.22	5.26	3.10	41.81
1896	1.91	4.11	5.22	1.27	2.86	3.61	2.88	3.19	7.34	3.14	3.33	1.39	40.25
1897	3.76	2.49	2.77	4.03	4.28	2.08	5.33	5.02	1.85	1.22	7.57	5.35	45.75
1898	5.13	6.60	3.37	4.94	4.71	1.29	5.39	6.29	1.58	9.47	7.31	1.89	57.97
1899	5.54	5.08	7.06	2.00	2.38	3.60	3.21	1.74	7.78	1.58	1.93	1.29	43.19
1900	3.81	5.32	4.79	2.01	3.84	1.69	2.67	2.07	3.72	3.59	3.42	2.09	39.02
1901	1.21	0.55	5.52	5.88	7.14	1.21	3.89	2.56	2.69	2.64	1.77	9.16	44.22
1902	1.64	5.61	5.32	3.82	1.14	3.44	2.14	0.66	2.23	4.06	1.58	6.29	37.93
1903	4.75	5.38	6.90	4.43	1.69	6.08	2.08	3.52	0.84	2.91	1.98	3.08	43.64
1904	4.56	3.20	2.21	8.33	3.01	3.82	1.73	2.78	2.23	1.68	2.08	3.82	39.45
1905	3.28	2.25	2.67	2.55	1.45	5.46	2.77	3.90	4.76	1.95	2.13	3.82	36.99
1906	3.38	3.74	6.13	2.65	4.03	4.40	3.20	2.19	2.38	4.12	2.27	4.18	42.67
1907	3.17	3.86	1.99	2.13	4.14	1.31	0.95	1.41	6.19	2.41	5.37	5.38	38.31
1908	2.71	3.36	3.36	1.54	3.82	2.12	2.43	5.35	0.81	4.94	1.16	3.96	35.56
1909	5.53	5.67	3.04	5.73	2.70	1.43	0.58	2.40	4.32	1.54	3.46	3.23	39.63
1910	5.18	5.07	1.21	1.90	2.76	4.80	3.63	2.58	2.49	1.71	4.23	2.36	37.92
1911	3.08	2.33	2.79	3.73	1.24	1.79	4.36	3.96	1.46	2.66	6.85	3.65	37.90
1912	4.28	2.94	8.04	3.98	3.67	0.43	2.02	3.04	2.18	1.81	3.79	6.14	42.32
1913	4.18	2.61	3.57	6.71	1.72	1.09	2.69	2.66	2.59	7.75	1.82	3.98	41.37
Av.	4.03	3.77	4.25	3.68	3.44	2.67	2.87	3.32	3.19	3.62	3.64	3.80	42.28

RAINFALL AT BURRILLVILLE, R. I. Elevation, 400 feet.
(Wallum Pond.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1910	5.50	2.86	1.00	1.35	2.04	4.73	1.75	1.77	1.70	2.08	2.88	2.60	30.26
1911	3.99	2.75	3.77	2.70	1.20	1.72	3.72	6.27	3.27	3.70	5.39	2.95	41.43
1912	2.65	2.85	8.10	4.57	4.43	0.46	4.67	5.19	2.44	2.39	4.32	6.66	48.73
1913	4.60	3.19	6.95	5.16	3.35	2.27	1.93	3.19	2.93	5.98	2.98	1.68	44.21
Av.	4.18	2.91	4.96	3.44	2.76	2.29	3.02	4.11	2.59	3.54	3.89	3.47	41.16

RAINFALL AT GREENE, R. I. Elevation, 450 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1910	5.38	4.17	0.99	2.48	3.07	3.00	2.04	3.02	3.91	1.43	4.81	2.71	37.01
1911	2.85	2.22	2.79	2.76	0.75	2.03	2.79	5.25	2.29	3.46	6.31	3.00	36.50
1912	2.93	2.58	7.08	4.51	4.66	0.64	2.26	3.44	3.02	1.85	4.02	6.52	43.51
1913	3.28	3.90	5.70	6.40	2.20	1.45	2.29	2.35	3.23	6.23	2.54	3.63	43.20
Av.	3.61	3.22	4.14	4.04	2.67	1.78	2.35	3.51	3.11	3.24	4.42	3.96	40.05

RAINFALL AT HOPKINTON, R. I. Elevation, 120 feet.
(Hope Valley.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1910	6.00	4.95	1.44	2.06	3.09	4.20	3.32	3.27	2.21	1.99	4.28	3.45	40.26
1911	4.55	2.77	4.01	4.19	1.95	3.31	2.61	4.86	2.05	4.35	8.48	4.54	47.67
1912	4.77	2.91	9.23	4.98	4.53	0.62	3.06	3.09	2.14	1.80	4.58	6.82	48.53
1913	4.71	3.77	4.98	7.84	2.41	1.73	3.35	3.35	2.87	7.30	2.33	5.18	49.82
Av.	5.01	3.60	4.92	4.77	2.99	2.46	3.08	3.64	2.32	3.86	4.92	5.00	46.57

RAINFALL AT KINGSTON, R. I. Elevation, 250 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1889	8.27	2.92	4.70	4.14	6.06	4.25	8.70	5.50	5.52	5.18	7.38	2.91	65.53
1890	2.99	3.54	8.45	4.28	5.33	4.00	2.33	4.01	5.48	10.04	0.96	6.16	57.57
1891	8.45	7.20	6.96	4.20	2.43	1.12	2.29	2.25	2.11	6.12	2.83	3.99	49.95
1892	5.58	1.87	5.22	3.35	5.39	2.23	2.78	3.18	2.58	1.51	7.01	1.93	42.63
1893	3.14	9.44	6.47	5.98	6.12	3.92	0.95	5.84	3.76	3.02	3.37	5.52	57.53
1894	4.63	4.95	1.93	4.07	4.50	0.50	1.35	2.74	3.96	9.14	5.26	5.66	48.69
1895	4.94	1.75	4.00	6.54	4.28	3.83	5.36	2.70	1.29	7.89	4.25	2.45	49.28
1896	2.59	6.37	4.49	1.45	2.92	5.01	3.11	3.67	7.44	4.20	4.52	2.17	47.94
1897	5.19	2.73	3.96	4.81	3.95	4.43	6.35	4.31	1.76	0.89	10.25	6.25	54.88
1898	6.83	8.13	3.71	5.56	8.95	0.77	7.11	6.85	2.11	12.05	7.44	2.71	72.22
1899	5.66	5.08	9.67	2.63	1.88	1.87	2.71	6.00	7.26	2.43	2.70	1.80	49.69
1900	5.14	7.19	5.77	3.67	5.02	1.21	2.13	2.17	3.04	3.66	5.02	3.22	47.24
1901	2.44	1.13	8.58	8.78	6.98	1.32	4.05	1.98	4.05	2.93	3.04	10.30	55.58
1902	2.62	6.46	7.29	4.93	1.34	4.15	3.23	1.69	4.05	4.26	2.12	8.03	50.17
1903	5.50	7.04	9.19	6.91	0.70	6.55	3.59	6.55	0.75	3.05	2.50	3.77	56.10

RAINFALL AT KINGSTON, R. I. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	5.45	4.21	2.88	9.70	3.17	4.44	2.47	7.63	1.97	2.30	3.15	4.97	52.34
1905	4.37	2.18	2.86	2.83	1.69	5.22	3.71	4.66	5.86	1.75	4.23	5.56	44.92
1906	5.16	4.71	6.34	3.72	4.56	3.16	4.05	1.02	4.28	5.68	3.48	5.82	51.98
1907	4.11	3.75	3.19	4.04	5.64	2.95	0.72	1.49	6.89	3.06	8.03	7.99	51.86
1908	3.61	5.66	4.38	2.72	5.89	3.31	1.81	6.77	0.97	4.27	1.45	5.07	45.91
1909	6.44	6.68	3.38	6.56	4.92	2.93	1.51	2.39	4.62	2.28	3.97	4.04	49.72
1910	7.03	5.13	1.62	2.02	3.81	5.29	2.95	3.96	2.67	2.09	5.47	3.10	45.14
1911	4.88	2.36	4.04	4.96	1.97	3.26	3.71	6.24	2.31	5.01	8.99	4.80	52.53
1912	4.29	3.78	9.59	4.61	4.89	0.80	2.93	4.62	2.87	2.13	4.50	6.87	51.88
1913	4.70	3.40	4.83	7.49	2.51	1.45	2.94	3.65	3.12	7.29	2.48	5.64	49.50
Av.	4.96	4.71	5.34	4.80	4.19	3.12	3.31	4.07	3.63	4.49	4.58	4.83	52.03

RAINFALL AT NARRAGANSETT PIER, R. I. Elevation, 22 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1882	...	...	...	3.53	2.90	2.54	1.68	0.82	5.77	4.22	1.99	3.24	....
1883	4.92	4.24	2.91	2.76	2.55	2.03	6.09	1.13	1.80	8.14	5.11	2.75	44.43
1884	6.05	5.80	5.24	3.35	4.69	4.22	6.68	6.60	0.76	2.20	4.41	6.34	56.34
1885	5.72	1.75	1.02	2.67	3.49	1.58	0.63	6.90	1.39	5.97	2.34	2.25	35.71
1886	5.64	10.64	5.14	3.82	3.55	1.77	3.38	3.51	3.03	3.95	4.02	5.26	53.71
1887	6.73	6.28	4.15	4.01	1.05	4.35	4.16	3.33	3.14	3.03	2.47	4.94	47.64
1888	5.33	2.92	7.87	2.56	7.29	0.66	1.97	4.35	7.55	2.98	7.05	3.13	53.66
1889	6.52	3.03	3.66	3.46	5.49	4.35	7.32	5.27	3.79	5.23	7.18	2.29	57.59
1890	3.13	3.22	8.41	4.53	5.30	3.42	2.85	4.73	4.65	9.07	0.81	5.09	55.21
1891	8.57	6.78	6.12	3.22	2.20	1.26	1.38	2.00	1.22	5.24	2.49	3.98	44.46
1892	6.60	1.38	4.99	2.88	4.63	2.44	1.66	5.00	3.58	1.61	7.44	1.74	43.95
1893	2.97	6.61	4.22	4.85	5.31	2.57	0.82	4.85	3.42	2.80	2.72	5.08	46.22
1894	2.41	4.68	1.97	2.47	3.69	0.88	0.71	2.62	2.40	8.11	4.83	3.89	38.66
1895	4.67	1.26	4.11	6.61	4.58	3.76	4.97	2.92	2.11	4.15	5.09	2.14	46.37
1896	1.59	4.55	4.53	1.38	3.35	3.36	2.15	3.97	6.30	3.29	2.62	1.56	38.65
1897	4.15	3.02	2.94	4.10	3.63	2.56	5.44	6.95	2.50	1.23	8.25	6.70	51.47
1898	4.93	7.42	3.75	5.13	8.96	0.10	3.49	3.72	1.99	9.16	6.84	2.61	58.10
1899	6.04	3.25	8.13	2.57	2.57	1.50	3.79	4.02	6.30	2.23	1.29	1.40	43.09
1900	4.23	5.52	4.27	3.15	4.16	0.75	2.22	0.96	2.79	3.34	3.55	2.20	37.14
1901	2.29	1.17	7.03	6.73	6.55	1.74	2.15	2.84	3.17	2.64	2.79	9.33	48.43
1902	1.92	7.01	6.18	3.37	1.01	3.60	3.25	1.81	3.77	4.54	1.59	6.37	44.42
1903	4.27	5.19	8.95	6.05	0.80	6.22	2.29	4.55	0.84	2.41	2.31	3.56	47.44
1904	3.40	2.73	2.06	7.69	4.20	3.63	2.77	5.89	2.18	1.75	2.88	3.50	42.68
1905	2.96	1.26	2.67	2.43	2.11	5.04	2.75	4.99	5.35	2.03	3.36	3.94	38.89
1906	2.52	2.48	5.49	3.01	5.14	3.64	4.42	0.91	5.42	4.40	3.46	4.22	45.11
1907	3.80	2.02	2.56	3.69	4.93	1.99	0.87	0.94	7.99	2.70	6.38	5.69	43.56
1908	3.03	3.81	3.85	2.64	4.19	3.96	2.78	7.27	1.08	5.24	1.84	4.70	44.39
1909	5.07	6.68	2.71	6.35	4.06	2.02	1.16	2.16	3.85	2.03	4.36	2.65	43.10
1910	5.57	4.41	1.52	1.81	3.32	3.64	2.72	2.58	2.28	2.08	4.45	3.37	37.75
1911	4.09	2.32	3.87	4.29	1.68	2.41	3.63	7.43	3.26	3.44	7.92	3.69	48.03
1912	3.66	3.12	8.86	5.09	3.73	0.92	3.60	3.39	3.11	1.62	4.18	6.84	48.12
1913	4.65	4.42	3.89	6.66	2.75	1.27	2.29	3.05	3.08	7.18	2.99	4.52	46.75
Av.	4.43	4.16	4.62	3.98	3.90	2.63	3.04	3.89	3.36	3.99	4.10	4.06	46.16

RAINFALL AT NEWPORT, R. I. Elevation, 30 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	1.97	2.19	4.07	2.27	2.82	3.15	1.91	8.16	1.39	5.83	4.15	1.79	39.70
1872	2.07	1.06	2.10	1.52	3.23	1.48	5.83	3.70	3.89	4.06	3.62	1.46	34.02
1873	5.79	2.43	1.84	4.09	3.85	0.58	1.41	4.00	2.48	4.92	4.89	4.24	40.52
1874	3.20	2.77	1.41	6.99	3.99	3.71	...	...	...	...	...	....	....
1875	...	...	...	...	...	...	...	5.26	2.91	4.35	6.64	1.23	....
1876	1.59	6.18	8.47	5.78	2.73	1.32	4.92	0.82	4.90	1.88	7.98	3.75	50.32
1877	3.00	1.45	10.02	3.47	1.96	3.63	5.49	3.90	0.68	6.89	6.74	1.23	48.46
1878	7.06	3.21	5.77	6.87	4.54	3.46	2.37	4.15	1.71	5.19	7.99	7.78	60.10
1879	3.20	2.28	6.18	6.22	1.46	3.67	3.97	5.39	2.60	1.03	3.54	4.74	44.28
1880	2.14	3.65	5.93	4.69	1.12	1.95	5.86	7.15	2.80	3.59	4.01	4.87	47.76
Av.	3.35	2.81	5.55	4.36	2.71	2.41	3.97	4.66	2.56	4.17	5.36	3.73	45.64

RAINFALL AT NEWPORT, R. I. Elevation, 30 feet.
(Fort Adams.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	1.97	2.19	4.07	2.27	2.82	3.15	1.91	8.16	1.39	5.83	4.15	1.79	39.70
1872	2.07	1.06	2.10	1.52	3.23	1.48	5.83	3.70	3.89	4.06	3.62	1.46	34.02
1873	5.79	2.43	1.84	4.09	3.85	0.58	1.41	4.00	2.48	4.92	4.89	4.24	40.52
1874	3.20	2.77	1.41	6.99	3.99	3.71	2.35	7.65	2.60	1.13	2.56	....	....
1875	3.39	2.80	4.26	3.37	...	6.06	3.34	4.12	2.34	3.12	4.26	0.68	....
1876	0.78	3.93	5.03	2.91	2.29	1.04	5.01	0.56	2.82	0.98	6.03	3.30	34.68
1877	1.87	1.15	5.32	2.81	1.53	3.70	4.32	3.96	0.32	6.83	4.75	0.70	37.26
1878	3.61	1.84	2.90	4.58	2.92	2.91	1.47	3.74	1.26	3.20	4.74	3.72	36.89
1879	2.49	0.76	4.30	4.13	1.16	2.90	1.84	4.22	2.15	0.70	1.98	3.40	30.03
1880	1.13	1.27	3.71	2.32	0.28	1.69	6.16	6.03	2.41	2.56	2.61	1.12	31.29
Av.	2.46	1.83	3.66	3.08	2.26	2.18	3.49	4.30	2.09	3.63	4.10	2.47	35.55

RAINFALL AT PAWTUCKET, R. I. Elevation, 90 feet.
(Pumping Station, Board of Public Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1884	...	...	...	...	3.66	8.61	3.51	5.73	1.23	2.86	4.43	7.07	...
1885	4.66	3.30	1.26	2.80	3.91	2.64	1.67	5.03	0.80	5.67	3.85	3.16	38.75
1886	6.80	11.18	3.44	2.45	3.69	1.31	3.02	3.04	2.72	3.27	4.05	4.89	49.86
1887	5.36	6.16	4.56	4.34	2.74	4.38	6.51	5.52	1.56	2.48	1.96	4.24	49.81
1888	5.00	4.70	7.09	2.78	7.32	1.48	1.66	7.53	8.81	5.76	8.56	5.22	65.91
1889	5.72	2.40	1.16	4.41	5.67	3.02	10.68	5.97	4.78	5.01	6.85	2.92	58.59
1890	3.01	3.33	5.23	3.81	6.45	2.84	1.25	3.16	4.98	9.18	0.74	5.06	49.04
1891	6.57	5.40	5.41	3.34	2.16	4.00	3.52	4.95	2.43	4.22	2.40	3.77	48.17
1892	4.43	1.74	3.98	1.28	5.72	3.48	2.16	3.86	1.80	1.64	4.96	1.21	36.26
1893	2.18	5.82	5.14	3.97	5.90	2.39	0.96	4.06	2.54	3.47	2.52	4.81	43.76
1894	3.49	3.81	1.19	3.31	4.87	0.40	3.74	1.84	3.14	7.30	3.54	5.34	41.97
1895	5.29	1.40	3.14	6.02	3.21	2.49	5.33	2.40	2.43	5.89	8.56	2.01	48.17
1896	1.84	3.91	6.44	1.17	2.33	3.49	1.55	3.13	7.81	2.90	3.34	2.05	39.96
1897	5.45	3.15	2.79	3.31	4.77	4.12	5.62	3.82	1.93	0.65	6.52	5.40	47.53
1898	3.89	6.53	2.73	5.64	3.93	1.11	9.29	6.63	2.41	7.76	7.04	2.19	59.15
1899	5.05	5.20	7.60	4.48	2.03	3.55	4.80	1.72	8.98	1.10	2.82	2.56	49.89
1900	4.72	8.66	5.56	1.73	6.34	2.54	2.60	2.35	4.17	3.24	4.07	2.60	48.58
1901	2.10	1.21	7.67	7.04	7.11	0.86	2.83	2.40	4.04	3.13	2.31	8.57	49.27
1902	2.06	6.50	5.93	3.02	1.08	4.75	3.94	2.28	3.87	4.29	1.18	7.80	46.70
1903	5.51	6.03	7.28	3.79	0.43	6.34	4.61	4.14	0.91	3.68	1.60	5.49	49.81

RAINFALL AT PAWTUCKET, R. I. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1904	7.93	8.38	4.33	8.77	2.49	2.89	3.09	9.01	8.00	2.67	2.25	4.77	64.58
1905	4.23	2.61	2.46	4.20	1.77	5.63	1.45	5.12	6.59	1.90	1.78	5.92	43.66
1906	3.83	4.15	5.18	2.72	6.11	4.17	6.02	3.22	3.94	4.66	2.22	5.13	51.35
1907	3.60	3.66	2.46	3.99	3.50	3.10	1.92	1.00	9.16	3.54	6.18	6.00	48.11
1908	4.70	4.55	3.94	1.74	5.45	2.39	5.34	4.63	1.08	3.56	0.99	3.49	41.86
1909	3.36	6.03	3.55	5.59	1.95	1.76	1.26	2.34	3.39	1.25	4.00	3.93	38.41
1910	5.42	4.22	1.25	1.85	2.10	3.35	1.95	2.33	2.58	1.50	4.05	2.66	33.26
1911	2.88	2.61	3.40	2.83	2.06	1.92	3.77	5.69	2.01	2.98	6.30	3.39	39.84
1912	3.48	2.90	6.91	3.73	3.89	0.40	2.58	5.12	1.85	2.95	3.10	6.64	43.55
1913	3.05	3.20	5.41	5.03	2.07	1.51	4.05	3.36	2.62	6.19	2.38	3.89	42.76
Av.	4.33	4.58	4.36	3.76	3.83	2.84	3.69	3.99	3.84	3.86	3.80	4.31	47.19

RAINFALL AT PAWTUCKET, R. I. Elevation, 220 feet.
(Diamond Hill Reservoir, Board of Public Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1901	1.75	0.79	8.84	8.97	6.82	1.22	5.83	3.75	4.35	3.36	2.77	9.11	57.56
1902	1.98	8.39	5.97	3.00	1.90	3.73	4.44	1.80	4.30	4.73	1.79	5.53	47.56
1903	3.93	6.30	7.23	3.36	0.45	5.73	4.74	4.53	1.64	3.39	1.71	3.07	46.08
1904	4.39	2.78	3.36	8.87	2.87	1.32	3.83	2.75	6.32	2.29	1.63	2.53	42.94
1905	4.45	1.85	2.69	3.78	1.57	4.34	0.66	2.54	7.67	2.22	1.99	4.63	38.39
1906	2.75	3.16	5.08	3.01	6.58	4.30	6.62	2.79	2.57	6.41	2.45	4.56	50.28
1907	3.35	1.93	2.21	3.61	3.72	3.17	1.88	0.75	9.11	4.21	6.98	5.82	46.74
1908	4.14	5.22	4.30	2.33	5.60	1.44	7.08	4.56	0.93	3.52	0.87	2.78	42.77
1909	3.07	6.25	3.73	5.34	1.70	2.60	1.80	2.01	4.31	1.26	3.77	4.55	40.39
1910	4.88	3.38	1.82	1.97	2.16	3.24	1.20	2.02	1.60	1.26	4.94	2.31	30.78
1911	3.04	2.39	3.63	3.51	1.98	2.38	3.75	6.92	2.59	2.99	6.20	3.60	42.98
1912	3.49	2.82	7.87	4.12	4.24	0.65	3.16	3.58	1.85	3.49	3.37	6.09	44.73
1913	3.33	3.03	6.39	5.06	2.30	1.15	2.48	3.64	3.77	6.85	2.66	3.88	44.54
Av.	3.43	3.71	4.86	4.38	3.22	2.72	3.65	3.20	3.92	3.54	3.16	4.50	44.29

RAINFALL AT PAWTUCKET, R. I. Elevation, 140 feet.
(Masonic Building, Board of Public Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1901	1.76	0.94	7.27	6.54	6.24	0.98	3.65	1.60	3.65	2.87	2.11	8.95	46.56
1902	1.98	7.52	6.28	3.23	1.15	4.91	3.95	2.46	3.93	4.81	1.61	5.76	47.59
1903	4.85	6.96	7.82	3.42	0.88	6.62	4.07	4.04	0.91	2.79	1.69	3.38	47.43
1904	7.24	3.86	3.45	8.88	2.24	2.94	1.46	4.41	5.93	2.19	1.75	3.80	48.15
1905	4.59	2.52	2.14	3.53	1.20	4.85	2.40	2.90	7.82	2.31	2.03	6.35	42.64
1906	3.19	3.21	5.49	3.10	5.25	4.31	5.46	4.71	3.70	4.75	2.40	4.82	50.39
1907	4.09	2.75	2.24	4.00	4.40	3.03	2.39	1.01	9.74	3.99	6.01	6.64	50.29
1908	5.01	5.69	4.37	2.52	5.42	3.17	5.52	5.13	1.13	3.82	1.01	4.19	46.98
1909	3.72	6.80	4.13	6 48	1.95	2.21	1.08	2.58	3.81	1.64	3.46	4.27	42.13
1910	5.90	5.29	1.00	1.99	2.63	3.71	2.96	2.36	2.92	2.12	3.86	3.31	38.05
1911	3.19	2.52	3.62	3.21	2.05	1.95	4.19	5.47	2.37	3.14	6.88	3.47	42.06
1912	3.76	3.12	7.85	3.94	4.27	0.63	3.47	3.99	2.05	3.22	3.36	6.83	46.49
1913	3.22	3.12	4.90	5.43	2.10	1.44	3.90	3.05	2.57	6.51	2.34	3.75	42.33
Av.	4.04	4.18	4.66	4.33	3.06	3.13	3.42	3.36	3.89	3.40	2.96	5.04	45.47

RAINFALL AT PAWTUCKET, R. I. Elevation, 40 feet.
(Filter Beds, Board of Public Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1901	2.07	0.94	7.81	7.45	6.60	0.97	3.46	1.72	3.86	2.86	2.48	9.07	49.29
1902	2.23	8.52	6.50	3.04	1.13	4.92	3.29	2.11	4.66	4.51	2.01	6.31	49.23
1903	5.61	7.32	8.37	3.84	0.63	6.96	3.85	3.83	0.75	2.61	1.54	3.36	48.67
1904	9.19	4.29	4.36	8.79	2.41	2.91	1.48	5.10	4.69	2.04	2.02	3.88	51.16
1905	4.91	2.60	2.02	3.51	1.18	4.79	2.29	3.18	6.87	2.10	1.89	6.22	41.56
1906	3.17	2.75	5.07	2.72	4.73	3.91	4.63	3.75	3.07	5.77	1.99	5.16	46.72
1907	4.10	2.98	1.45	2.15	3.85	2.82	1.51	0.88	9.30	3.64	6.00	6.10	44.78
1908	5.05	5.79	4.92	2.60	5.24	2.27	4.53	4.35	1.15	3.65	0.93	4.05	44.53
1909	4.10	6.72	4.05	6.04	1.87	2.13	0.89	2.93	3.48	1.50	3.60	3.92	41.23
1910	4.97	4.74	0.91	1.46	3.16	3.57	3.03	2.54	3.34	2.31	4.24	2.59	36.86
1911	3.27	2.83	3.57	3.46	2.17	2.66	4.06	4.72	2.39	3.06	6.46	3.61	42.26
1912	3.91	3.08	7.21	3.76	4.42	0.76	2.92	4.17	1.68	2.91	3.36	6.92	45.10
1913	3.15	3.53	5.12	5.71	2.19	1.36	3.73	3.54	3.12	6.66	2.44	4.22	44.77
Av.	4.29	4.32	4.72	4.19	3.04	3.08	3.05	3.29	3.72	3.36	3.00	5.03	45.09

RAINFALL AT PROVIDENCE, R. I. Elevation, 162.5 feet (mean high tide).
1832–1876, President Caswell, Brown University, College Hill; 1877–1913,
Hope Reservoir, City Engineer.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1832	3.87	4.25	3.20	3.33	4.14	0.33	1.82	3.92	3.50	2.01	3.46	5.63	39.46
1833	1.71	1.55	1.97	3.17	0.99	4.81	1.11	2.15	1.53	5.98	4.50	4.67	34.14
1834	1.57	1.13	1.43	3.13	5.61	5.10	7.58	1.15	3.81	4.64	3.80	2.97	41.92
1835	3.50	1.20	4.60	4.06	1.50	1.95	2.84	2.25	0.83	3.26	1.72	3.25	30.96
1836	5.63	3.45	5.00	2.30	2.51	3.25	1.53	0.72	1.03	2.35	5.25	4.85	37.87
1837	1.40	2.65	3.17	4.65	7.28	2.82	1.38	2.00	0.48	1.29	1.95	2.55	31.62
1838	2.70	2.32	2.70	2.70	3.88	3.30	0.63	3.55	6 76	4.61	3.65	1.08	37.88
1839	0.76	1.50	1.50	3.63	3.79	2.31	5.26	5.00	1.83	3.75	2.30	5.12	36.75
1840	2.80	2.05	3.50	3.45	3.35	2.89	3.38	3.20	2.95	5.17	5.35	3.10	41.19
1841	6.45	1.50	2.86	7.78	2.18	0.98	5.13	5.12	2.35	3.20	4.45	5.86	47.86
1842	1.30	4.05	2.07	2.10	3.40	9.65	1.48	3.35	1.40	1.16	3.82	3.93	37.71
1843	0.60	5.27	5.58	4.34	3.50	2.12	1.83	6.23	2.20	6.45	1.35	3.03	42.50
1844	4.32	1.95	4.75	0.67	1.95	1.15	4.42	1.11	2.83	5.80	3.30	2.75	35.00
1845	3.20	2.70	3.53	2.34	2.75	2.32	3.10	5.63	1.63	3.40	9.08	3.48	43.16
1846	1.82	2.08	2.86	1.75	4.58	1.30	1.44	2.73	2.33	1.85	4.62	3.15	30.51
1847	2.13	2.71	3.17	1.72	2.02	6.98	2.28	5.50	8.35	1.95	5.72	5.97	48.50
1848	4.82	3.80	2.40	0.95	5.00	3.80	1.85	3.73	2.45	4.05	3.80	3.83	40.48
1849	0.80	0.60	5.99	1.62	3.43	1.23	2.00	3.39	3.14	6.55	2.42	3.52	34.69
1850	5.60	3.38	5.19	4.67	5.00	2.60	2.35	7.65	5.00	2.10	2.10	5.85	51.49
1851	1.93	3.87	2.00	7.80	3.58	1.90	5.19	3.77	2.47	3.20	5.05	2.62	43.38
1852	2.70	2.00	3.55	6.65	2.00	1.00	1.68	8.00	1.40	1.30	4.60	3.70	38.58
1853	4.27	5.75	1.35	5.05	4.95	0.90	6.37	8.38	3.80	4.15	4.40	3.90	53.27
1854	1.80	4.85	2.85	6.30	3.60	3.60	2.45	0.30	6.10	1.90	9.15	3.35	46.25
1855	6.45	4.05	0.85	2.50	2.55	1.95	3.25	2.02	0.25	5.33	3.75	6.10	39.05
1856	5.25	0.80	1.55	2.80	4.10	2.47	4.20	5.75	5.10	1.15	2.00	5.80	40.97
1857	5.50	2.36	3.35	6.29	4.33	1.90	3.45	4.80	2.27	2.90	2.40	5.20	44.75
1858	3.33	2.80	2.05	3.63	2.35	5.55	4.90	8.20	3.05	2.80	2.40	3.45	44.51
1859	5.75	1.85	8.00	2.28	3.40	7.06	1.14	3.69	3.65	2.62	2.27	3.45	45.16
1860	1.00	3.54	1.80	1.55	1.65	4.02	3.09	5.70	5.38	2.10	3.95	4.66	38.44
1861	4.87	2.95	4 62	7.75	3 22	4 61	2.21	4.50	2.75	2.17	3 20	1.40	44.25

RAINFALL AT PROVIDENCE, R. I. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1862	6.06	3.15	4.12	1.60	2.60	6.75	3.52	1.47	7.35	4.77	6.85	2.10	50.34
1863	4.61	4.04	4.88	5.52	2.33	1.90	9.42	4.59	1.74	2.97	7.51	5.66	55.17
1864	4.66	1.53	4.74	2.46	3.15	1.22	1.46	4.05	2.36	2.85	3.42	4.95	36.85
1865	5.29	5.45	5.56	2.98	6.23	1.56	3.91	0.74	0.27	4.60	4.03	4.08	44.70
1866	2.35	5.64	4.29	2.02	5.29	4.43	2.03	3.54	5.75	2.78	3.97	3.96	46.05
1867	5.72	6.80	5.32	2.24	3.94	1.56	3.15	8.23	0.62	4.07	2.59	2.80	47.04
1868	4.56	1.71	4.63	7.02	10.57	4.42	2.09	4.55	5.95	1.23	4.39	2.40	53.52
1869	3.92	5.19	6.34	2.07	5.20	5.63	0.88	1.58	5.08	5.92	2.19	4.70	48.70
1870	6.22	3.34	5.47	5.50	2.55	8.22	2.48	1.71	2.11	5.62	2.83	2.97	49.02
1871	2.35	3.80	5.25	3.81	3.80	5.57	3.63	5.73	1.00	6.68	3.35	2.94	47.91
1872	2.45	1.56	5.02	2.35	3.64	3.03	5.31	6.12	6.18	5.34	4.95	2.76	48.71
1873	5.56	4.60	3.67	3.57	4.62	2.74	2.89	7.89	2.17	4.80	5.16	4.99	52.66
1874	3.62	4.40	2.00	8.54	3.04	3.21	2.58	7.71	2.20	0.92	2.66	2.51	43.39
1875	3.54	3.76	4.57	5.02	3.44	7.27	3.56	8.85	2.05	4.07	5.12	0.97	52.22
1876	1.28	4.42	9.75	4.24	3.23	1.40	4.14	1.82	5.73	2.15	6.95	5.25	50.36
1877	4.55	0.33	7.99	2.40	4.40	4.60	3.60	6.41	0.90	5.81	6.41	1.40	48.80
1878	3.53	5.70	3.86	5.42	2.00	4.59	2.31	3.88	1.25	4.57	8.81	6.56	52.48
1879	2.91	4.32	5.59	4.67	1.27	3.10	4.10	5.03	2.42	1.00	2.53	3.65	40.59
1880	2.88	5.53	4.59	3.25	0.83	1.05	6.07	5.19	2.09	3.06	3.14	3.61	41.29
1881	6.17	6.30	5.30	1.56	2.26	6.10	4.09	0.49	2.02	2.46	4.65	3.39	44.79
1882	7.99	4.90	3.50	2.81	3.83	2.32	1.93	1.53	7.83	2.78	2.29	3.25	44.96
1883	5.97	4.50	2.58	2.04	4.33	1.26	3.18	0.83	2.50	5.23	2.59	4.53	39.54
1884	4.96	6.46	4.58	4.35	3.20	3.87	3.07	4.03	1.23	2.74	3.55	6.72	48.76
1885	6.03	4.13	1.50	2.85	3.53	2.07	2.20	4.78	0.80	5.51	3.59	2.71	39.70
1886	7.10	11.31	3.28	2.87	3.86	1.31	1.99	4.22	2.77	3.53	3.86	5.92	52.02
1887	6.61	5.87	4.74	4.40	2.23	4.24	6.09	5.87	1.58	2.99	2.16	4.20	50.98
1888	4.63	4.29	6.65	2.81	5.65	1.07	2.55	7.84	9.19	5.37	9.02	4.37	63.44
1889	5.62	2.55	1.98	4.07	4.71	2.90	9.49	5.83	5.23	4.52	6.39	2.62	55.91
1890	2.79	3.35	8.27	3.59	5.47	2.68	1.81	2.61	4.82	9.19	0.74	5.28	50.60
1891	8.14	6.00	5.55	3.58	2.29	3.50	3.31	6.26	2.77	4.70	2.84	4.25	53.19
1892	5.15	1.72	4.45	1.39	6.07	2.89	1.86	3.07	1.81	1.36	6.12	1.50	37.39
1893	3.47	7.88	5.59	4.51	6.24	3.59	1.10	4.24	2.27	4.25	2.72	5.42	51.28
1894	4.14	4.55	1.33	3.72	5.04	0.56	1.77	2.14	3.09	6.79	3.52	5.62	42.27
1895	5.74	1.90	3.31	6.25	3.88	2.66	4.64	2.71	2.20	8.08	6.66	2.78	50.81
1896	3.52	6.62	6.14	1.22	3.13	3.90	1.34	2.56	8.53	2.71	3.37	2.87	45.91
1897	6.24	3.00	2.95	3.30	4.46	3.31	5.56	4.47	1.77	0.49	7.09	4.99	47.63
1898	6.01	6.45	2.95	6.08	4.07	1.16	10.26	6.00	2.26	8.43	7.29	2.54	63.50
1899	5.18	6.00	8.38	2.12	2.60	3.62	4.69	1.56	9.16	1.68	2.37	1.88	49.24
1900	4.20	8.17	5.67	1.90	6.24	2.19	2.04	3.13	4.05	2.86	4.54	2.79	47.78
1901	1.93	1.00	8.10	8.90	6.85	1.00	2.93	2.56	4.17	2.98	2.24	9.40	52.06
1902	2.06	6.97	5.71	3.09	1.20	4.17	3.41	2.39	6.55	4.57	1.80	6.40	48.32
1903	4.98	5.64	8.17	4.01	0.58	6.64	4.75	3.92	1.00	2.89	1.77	3.56	47.91
1904	6.45	3.38	3.92	9.45	2.37	2.46	1.06	5.12	5.34	2.11	1.95	4.31	47.92
1905	4.66	2.06	2.16	3.24	1.53	6.22	2.72	2.87	6.51	2.16	1.84	5.38	41.35
1906	3.01	3.23	5.42	2.75	4.64	4.36	5.47	3.14	3.53	5.39	2.31	4.85	48.10
1907	3.40	4.22	1.90	4.61	3.92	2.68	0.98	0.90	9.15	3.76	5.95	6.36	47.83
1908	4.41	5.42	3.86	2.02	5.31	2.37	4.07	5.57	1.08	3.61	0.91	3.92	42.55
1909	3.38	6.55	3.42	5.46	2.27	1.85	0.62	2.83	3.60	1.43	3.47	3.25	38.13
1910	5.07	4.38	1.57	1.85	3.19	3.76	2.97	3.14	2.92	1.74	3.52	2.86	36.97
1911	3.02	2.62	3.61	3.09	2.25	1.98	3.74	5.08	2.30	3.16	6.39	3.38	40.62
1912	4.38	2.76	7.15	3.56	4.78	0.95	2.00	2.80	1.81	2.54	3.32	6.79	42.84
1913	3.55	3.00	5.14	5.93	2.17	1.44	3.43	3.02	3.43	6.69	2.55	4.04	44.39
Av.	4.07	3.85	4.19	3.77	3.64	3.19	3.26	4.03	3.35	3.67	3.98	4.01	45.01

RAINFALL AT PROVIDENCE, R. I. Elevation, 100 feet.
(Ladd Observatory.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1908	4.12	5.55	4.16	2.24	5.24	2.59	4.31	5.55	1.04	4.03	1.22	3.67	43.72
1909	3.49	6.76	3.81	5.85	2.45	1.93	0.69	2.79	3.85	1.79	3.91	3.25	40.57
1910	5.58	4.11	1.47	1.84	3.26	3.87	2.73	2.76	3.18	2.23	4.05	2.52	37.60
1911	3.14	2.40	3.60	3.43	2.14	1.97	3.75	5.21	2.46	3.15	6.60	3.67	41.52
1912	3.92	2.87	7.14	4.08	4.91	0.67	2.16	3.22	1.99	2.80	3.83	6.78	44.37
1913	3.59	3.41	5.83	6.34	2.12	1.43	3.29	2.91	3.01	6.92	3.23	3.75	45.83
Av.	3.97	4.18	4.34	3.96	3.35	2.08	2.82	3.74	2.59	3.49	3.81	3.94	42.27

RAINFALL AT PROVIDENCE, R. I. Elevation, 275 feet.
(Fruit Hill Reservoir, Providence Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1909	3.20	5.74	3.15	5.07	2.09	1.82	0.94	2.71	3.03	1.11	3.24	4.08	36.18
1910	4.82	3.83	1.25	1.86	2.14	3.39	2.42	2.52	3.35	2.00	3.89	2.49	33.96
1911	2.83	2.32	3.11	3.00	2.17	2.35	3.74	5.10	2.03	3.14	6.05	3.33	39.17
1912	3.47	2.67	7.13	3.44	4.50	0.44	3.11	4.13	1.79	2.20	3.35	6.42	42.65
1913	3.33	2.98	5.01	5.73	2.15	1.42	4.07	3.28	3.18	5.82	2.47	3.88	43.32
Av.	3.53	3.51	3.33	3.82	2.61	1.88	2.85	3.55	2.28	2.85	3.80	5.05	39.06

RAINFALL AT PROVIDENCE, R. I. Elevation, 25 feet.
(Pettaconsett Pumping Station, Providence Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	6.09	1.30	10.39	1.24	2.86	6.07	4.85	1.96	0.73	8.27	8.54	1.25	53.55
1878	6.24	4.00	4.61	5.56	2.45	4.76	3.02	5.35	1.65	6.48	8.86	8.22	61.20
1879	3.26	3.39	5.68	5.93	1.49	3.65	4.55	6.93	3.51	1.10	3.27	4.35	47.11
1885	6.69	3.57	1.27	3.17	4.64	1.87	3.38	5.03	0.98	6.11	2.45	2.83	41.99
1886	6.45	10.98	3.69	3.83	3.92	1.26	1.38	4.19	3.34	4.14	4.01	7.25	54.44
1909	3.78	7.29	3.59	5.91	2.44	2.35	0.63	2.97	3.79	1.38	3.64	2.15	39.92
1910	4.39	3.76	1.53	1.88	2.71	3.45	3.07	3.10	2.33	1.66	3.67	2.52	34.07
1911	3.37	1.70	3.30	3.45	1.87	2.71	4.34	4.15	2.31	3.47	6.67	3.71	41.05
1912	4.17	2.48	7.77	3.04	3.85	0.75	1.09	3.31	2.53	2.22	3.47	6.27	40.95
1913	4.27	2.90	4.29	6.54	2.06	1.26	2.04	2.25	4.43	6.75	2.42	4.47	43.68
Av.	4.87	4.14	4.61	4.06	2.83	2.81	2.84	3.92	2.56	4.16	4.70	4.30	45.80

RAINFALL AT PROVIDENCE, R. I. Elevation, 182 feet.
(Sockanosset Reservoir, Providence Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1877	5.66	1.05	10.02	2.37	4.01	5.92	3.99	4.08	0.88	8.71	8.00	0.93	55.62
1878	5.58	4.57	4.29	6.12	2.68	5.02	3.24	5.75	1.68	8.09	9.47	8.66	65.15
1879	3.44	4.57	5.58	6.89	1.49	3.72	4.63	6.97	3.33	1.33	3.25	4.90	50.10
1909	4.32	6.91	3.19	5.88	2.23	2.17	0.63	3.04	3.30	1.46	2.79	3.46	39.38
1910	4.69	3.37	1.48	1.85	2.15	3.41	3.21	3.51	1.87	1.59	3.71	2.39	33.23
1911	3.12	2.05	3.04	3.23	1.60	2.49	4.28	4.78	2.16	3.57	6.34	3.52	40.18
1912	3.67	2.80	7.87	4.28	3.93	0.71	0.93	3.03	2.28	2.12	3.02	5.54	40.18
1913	3.81	2.97	4.43	6.56	2.19	1.18	1.90	2.16	3.57	6.58	2.43	4.39	42.17
Av.	4.29	3.54	4.99	4.65	2.53	3.08	2.85	4.16	2.38	4.18	4.88	4.22	45.75

RAINFALL AT PROVIDENCE, R. I. Elevation, 25 feet.
(Sewage Precipitation Works. City Engineer.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1909	4.04	6.58	2.92	5.58	2.34	1.65	0.48	2.36	4.13	1.23	3.56	3.00	37.87
1910	5.02	4.44	1.28	1.87	3.39	4.63	3.31	2.72	1.82	1.87	3.74	2.49	36.58
1911	2.93	2.56	3.51	3.32	1.63	2.26	4.13	4.47	2.30	2.84	6.37	3.40	39.72
1912	3.62	2.78	7.43	3.97	3.80	0.49	0.90	2.77	1.89	2.65	2.81	6.53	39.64
1913	3.22	3.00	4.49	6.06	2.16	1.23	2.20	2.66	2.50	7.25	2.29	4.02	41.08
Av.	3.77	3.87	3.93	4.16	2.66	2.05	2.20	3.00	2.53	3.17	3.75	3.89	38.98

RAINFALL AT WOONSOCKET, R. I. Elevation, 160 feet.
(Woonsocket Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	5.79	8.98	3.05	2.84	3.56	1.58	2.78	5.26	2.09	3.37	3.94	3.30	46.54
1887	6.52	5.11	5.26	2.38	2.13	3.60	5.42	5.98	1.41	2.56	2.65	4.90	47.92
1888	4.64	3.57	5.37	2.68	5.78	2.04	2.51	5.73	9.14	4.34	6.82	5.64	58.26
1889	5.61	1.45	1.70	4.97	3.73	3.07	11.41	4.36	4.67	5.21	6.29	2.98	55.45
1890	3.20	3.68	8.89	4.57	5.68	2.78	3.18	3.32	7.21	9.93	1.04	6.20	59.68
1891	9.02	6.47	6.82	4.97	2.55	4.09	4.35	4.88	3.76	4.34	3.14	4.05	58.44
1892	5.47	1.97	2.98	1.15	6.48	3.03	3.10	5.01	2.61	1.45	6.53	1.50	41.28
1893	3.58	7.65	6.37	5.23	9.19	2.82	1.28	5.41	2.31	6.02	3.37	4.27	57.50
1894	3.62	4.82	1.36	4.55	5.25	0.77	1.85	1.99	2.07	6.46	3.77	4.97	41.48
1895	4.78	1.15	3.27	5.17	2.78	1.99	4.53	2.71	3.65	7.15	8.58	3.01	48.77
1896	2.44	5.00	4.11	1.04	2.24	3.07	1.94	2.72	8.48	3.24	2.42	2.10	38.80
1897	4.24	2.88	2.99	3.22	4.23	3.77	7.05	4.56	2.42	0.69	6.59	5.09	47.73
1898	4.03	6.11	2.74	5.56	3.98	1.31	11.95	6.61	3.29	7.60	6.26	2.37	61.81
1899	5.16	3.72	6.61	2.23	1.27	3.57	5.06	1.96	6.27	1.73	2.97	2.26	42.81
1900	4.62	8.78	6.35	2.12	6.34	5.03	3.06	2.89	3.68	3.60	5.26	2.81	54.54
1901	2.30	1.33	8.32	9.51	6.92	1.11	4.43	3.32	3.98	3.09	2.80	8.71	55.82
1902	2.35	6.22	4.97	2. 0	1.95	3.87	4.35	2.01	3.74	4.28	1.46	6.19	44.19
1903	4.63	4.82	6.95	3.46	0.50	6.17	3.42	4.79	2.29	4.14	1.72	3.37	46.26
1904	5.09	2.87	3.43	9.34	1.87	2.03	2.91	3.46	6.48	2.12	2.17	3.72	45.49
1905	4.56	1.80	2.71	2.80	1.89	3.96	1.30	2.45	6.58	2.27	2.43	4.61	37.36
1906	2.99	2.40	6.06	3.36	7.06	3.59	7.01	3.68	2.62	5.93	2.83	2.38	49.91
1907	5.29	2.50	2.65	4.10	3.80	2.89	2.01	0.87	8.61	4.30	7.14	5.55	49.71
1908	4.65	5.02	3.95	2.03	5.23	2.40	7.58	5.01	1.16	3.24	1.17	4.52	45.96
1909	3.44	4.53	4.40	4.18	4.06	2.91	1.51	3.38	3.95	1.55	3.37	3.86	41.14
1910	5.88	3.92	2.04	2.14	2.11	3.75	1.21	2.70	1.50	1.26	4.72	3.31	34.54
1911	3.20	2.67	3.68	3.43	2.19	2.28	3.85	7.79	2.24	3.41	6.04	3.40	44.18
1912	3.60	2.68	6.92	4.13	4.68	0.76	2.82	3.94	2.14	2.61	3.99	6.47	44.74
1913	3.77	3.23	6.48	5.75	2.87	1.03	2.39	3.81	3.39	6.47	2.92	3.06	45.17
Av.	4.45	4.12	4.66	3.92	3.94	2.83	4.08	3.95	3.99	4.01	4.01	4.09	48.05

CONNECTICUT.

RAINFALL AT BRIDGEPORT, CONN. Elevation, 20 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.92	4.57	1.39	2.40	6.12	1.38	0.69	2.29	5.86	7.25	5.85	4.69	45.41
1895	5.65	1.10	3.04	3.32	1.33	4.37	4.86	7.36	1.69	4.41	4.12	2.45	43.70
1896	1.82	6.32	6.96	0.69	4.81	3.88	3.45	2.19	5.40	2.45	3.02	2.00	42.99
1897	3.93	3.00	4.43	2.53	6.62	3.41	18.77	4.11	1.97	2.11	6.40	6.16	63.44
1898	5.89	4.94	3.20	4.72	10.18	0.48	6.25	6.16	2.32	8.96	7.60	3.03	63.73
1899	4.45	4.86	9.64	2.03	2.03	3.50	4.73	0.20	4.55	2.29	1.99	2.26	42.53
1900	4.37	5.99	3.63	2.41	2.90	2.10	2.77	2.60	1.99	2.97	5.25	2.70	39.68
1901	2.12	0.85	6.92	9.41	8.20	0.76	6.41	8.66	5.71	3.37	1.97	9.85	64.23
1902	2.68	5.58	6.55	3.85	1.59	5.70	3.28	2.39	5.58	7.67	1.45	7.64	53.96
1903	4.28	5.38	6.07	3.52	0.49	8.48	2.79	11.24	2.60	5.09	1.83	4.07	55.84
1904	3.95	2.90	3.54	5.83	2.50	2.99	2.51	7.72	5.16	2.32	2.26	3.26	44.94
1905	4.68	2.22	3.29	3.40	0.91	4.30	13.04	4.66	6.16	2.48	2.62	5.00	52.76
1906	3.61	3.08	5.53	5.87	4.14	4.21	3.61	1.55	3.97	7.12	2.81	4.35	49.85
1907	3.91	3.06	2.51	3.22	3.70	3.02	1.90	1.36	8.04	5.03	6.05	5.49	47.29
1908	3.72	6.23	3.39	2.22	6.25	0.71	5.13	9.32	1.01	1.54	1.00	3.73	44.25
1909	3.89	6.10	3.94	7.74	1.78	1.70	2.50	3.59	3.49	1.30	1.94	4.43	42.40
1910	7.59	3.83	1.86	3.62	1.73	4.69	1.36	2.32	1.99	1.25	3.93	2.29	36.46
1911	3.21	3.26	3.66	3.97	1.12	2.58	2.06	6.01	2.69	7.01	5.74	3.49	44.80
1912	2.37	2.32	7.96	4.14	5.37	1.44	2.00	3.41	3.70	1.75	3.30	5.39	43.15
1913	3.66	3.59	5.58	5.36	2.65	1.53	2.05	4.20	3.12	10.18	2.61	4.03	48.56
Av.	3.93	3.96	4.65	4.01	3.72	3.06	4.51	4.57	3.85	4.33	3.59	4.32	48.50

RAINFALL AT CANAAN, CONN. Elevation, 600 feet.
(Falls Village.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	7.44	3.71	2.17	3.75	1.73	3.62	1.62	3.37	0.94	1.60	3.11	4.88	37.94
1892	5.71	1.36	2.76	0.70	6.43	5.74	6.09	6.13	3.45	1.22	3.76	1.24	44.59
1893	2.71	6.23	3.05	2.65	5.52	2.49	3.33	5.50	3.89	3.99	1.84	4.16	45.36
1894	2.03	2.17	1.63	2.55	5.57	0.86	1.35	0.57	4.44	4.06	4.15	4.58	33.96
1895	3.08	1.36	2.44	4.15	2.49	2.77	3.00	2.77	2.24	5.38	3.80	4.67	38.15
1896	1.11	6.38	5.59	1.71	3.39	2.53	6.67	4.25	6.25	3.10	2.80	2.33	46.11
1897	3.25	2.40	2.44	3.00	3.73	5.22	10.57	4.77	5.94	0.78	5.94	4.63	52.67
1898	4.58	3.06	2.44	4.35	6.35	2.99	2.23	8.22	3.73	3.74	6.30	2.42	50.41
1899	3.20	4.69	5.25	1.23	2.68	3.99	7.09	0.88	4.82	1.63	1.47	2.35	39.28
1900	2.72	6.00	4.50	1.69	5.58	4.45	5.02	1.87	1.85	2.41	5.55	2.71	44.35
1901	1.48	0.84	6.09	6.45	6.07	1.84	4.39	9.04	4.21	3.97	2.42	8.16	54.96
1902	2.12	4.38	4.59	3.79	2.65	4.83	7.42	3.24	8.44	4.96	1.01	6.48	53.91
1903	...	4.39	4.48	2.85	0.97	10.01	2.64	5.93	2.02	6.04	2.42	...	...
Av.	3.29	3.55	3.58	3.00	4.35	3.44	4.90	4.22	4.18	3.07	3.51	4.05	45.14

RAINFALL AT CANTON, CONN. Elevation, 900 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1859	2.10	0.49	5.70	2.85	5.29	7.03	2.07	4.30	5.71	1.68	2.20	2.87	42.29
1860	0.00	1.37	1.41	1.27	2.95	1.25	4.21	5.15	5.23	2.26	7.48	2.27	34.85
1861	1.78	1.84	2.68	5.16	4.39	2.08	4.11	5.65	3.15	5.17	6.01	0.87	42.89
1862	0.87	1.37	4.04	1.63	1.55	11.36	5.88	4.36	3.39	3.94	4.08	1.03	43.50
1863	5.71	5.18	3.24	4.96	3.22	2.52	12.72	3.24	3.34	6.89	6.36	5.43	62.81
1864	1.60	0.99	4.38	3.24	2.55	1.90	1.70	7.28	2.12	5.14	5.99	3.99	40.88
1865	3.23	2.43	6.62	4.16	9.29	4.38	7.45	2.68	1.39	5.69	3.97	3.12	54.41

RAINFALL AT CANTON, CONN. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1866	0.81	7.50	2.83	1.27	8.10	9.59	3.21	3.40	8.22	9.94	9.28	7.10	71.25
1867	1.75	4.75	2.94	2.72	6.13	6.18	5.36	16.95	5.49	9.25	5.10	2.09	68.71
1868	3.63	1.50	3.85	4.91	18.00	5.70	2.69	8.62	11.25	1.68	8.68	3.33	73.84
1869	3.15	4.93	6.70	2.49	9.33	11.77	3.64	0.83	6.51	14.70	4.65	6.46	75.16
1870	7.10	8.18	5.51	5.50	1.86	5.39	2.06	1.30	1.52	4.94	3.17	2.37	48.90
1871	2.58	3.10	5.55	3.24	4.71	5.97	3.07	5.46	1.32	5.66	5.69	2.51	48.86
1872	1.90	2.06	3.51	2.32	3.43	4.52	3.84	7.07	5.03	3.11	4.93	2.74	44.46
1873	5.40	2.02	3.30	3.48	5.10	0.20	4.70	6.34	3.52	6.50	3.93	5.52	50.01
1874	5.64	3.35	1.49	7.21	3.70	6.75	7.78	4.34	3.17	1.39	3.50	1.37	49.69
1875	2.28	3.85	3.52	2.87	1.83	2.73	2.31	12.90	1.56	4.12	5.17	0.64	43.78
1876	1.97	5.38	9.57	3.48	5.30	2.21	5.15	1.38	5.12	0.62	3.58	4.01	47.77
1877	2.12	1.32	7.45	2.56	0.99	4.74	3.17	2.93	0.50	9.21	6.50	1.20	42.69
1878	5.42	4.70	3.08	5.44	2.71	5.89	2.76	2.54	4.22	3.54	4.70	7.15	52.15
1879	1.75	2.80	4.86	4.27	2.36	6.15	4.37	5.35	2.58	0.62	2.27	5.08	42.46
1880	3.72	3.40	3.10	4.40	1.19	2.76	5.44	5.54	2.96	4.59	2.98	1.87	41.95
1881	4.59	3.85	5.23	1.52	4.46	4.67	4.72	3.45	0.40	3.56	5.17	5.26	46.88
1882	4.40	3.83	3.37	1.89	4.45	1.87	3.42	1.08	10.13	2.16	1.08	1.55	39.23
1883	3.14	4.65	1.30	2.11	4.15	3.73	3.61	2.33	2.89	6.39	1.98	3.10	39.38
1884	5.94	5.58	4.37	2.89	2.70	2.24	5.40	5.37	0.88	2.89	3.68	6.48	48.42
1885	5.37	3.80	1.04	3.33	3.02	2.30	2.86	9.50	1.50	5.57	5.71	3.86	47.86
1886	5.17	4.78	4.50	3.23	3.36	2.72	4.52	2.77	2.81	2.70	5.37	2.71	44.64
1887	5.87	5.37	3.76	3.39	0.51	6.29	7.40	5.85	2.39	2.90	2.36	4.97	51.06
1888	4.16	5.01	4.64	2.89	4.43	1.49	3.14	3.72	9.92	5.95	4.74	5.45	55.54
1889	5.15	1.57	1.76	4.02	4.11	3.71	9.07	3.71	6.80	4.29	7.62	2.89	54.70
1890	2.47	4.39	5.80	2.35	5.01	3.42	4.66	5.36	5.54	7.88	0.70	4.20	51.78
1891	9.29	4.46	5.10	3.91	2.03	3.11	5.21	4.86	1.46	2.65	3.81	5.04	50.93
1892	5.06	1.54	2.73	0.68	6.80	3.48	4.97	8.13	2.53	1.10	6.49	1.48	44.99
1893	3.47	6.01	4.69	4.22	7.52	5.00	1.95	4.91	3.23	5.92	2.71	4.46	54.09
1894	2.90	3.58	1.71	2.54	5.58	0.58	1.92	0.73	5.58	6.46	3.55	3.77	38.90
1895	3.73	0.66	2.39	3.50	1.79	3.53	3.94	6.02	3.13	6.15	3.96	4.10	42.90
1896	1.93	9.30	5.55	1.03	2.93	3.80	3.39	4.12	6.58	3.73	3.15	1.61	47.12
1897	3.44	3.66	3.41	2.55	4.96	4.92	16.96	6.56	2.09	1.14	6.31	5.71	61.71
1898	4.97	4.12	2.25	3.72	6.74	2.71	4.97	7.02	2.31	5.44	7.22	3.78	55.25
1899	3.17	4.17	6.91	2.03	2.09	6.44	6.83	3.00	4.83	2.50	1.84	2.84	46.65
1900	3.32	9.11	5.66	1.64	6.05	3.81	4.11	2.55	2.56	4.15	6.33	2.60	52.09
1901	1.54	0.49	5.96	12.30	7.21	1.24	3.03	6.42	5.76	4.66	2.27	9.07	59.95
1902	3.11	5.98	5.38	5.13	1.44	4.20	8.71	3.73	7.15	6.11	1.06	6.95	58.95
1903	4.10	4.46	5.31	3.07	0.81	11.69	3.86	7.34	4.46	4.10	3.21	4.60	57.01
1904	4.32	2.17	4.40	5.08	2.43	3.09	3.55	6.24	6.92	3.38	1.30	2.96	45.84
1905	6.69	1.12	3.21	2.38	0.93	3.77	4.22	4.10	5.41	2.68	2.33	3.38	40.22
1906	2.14	1.97	4.95	4.97	4.43	2.48	7.80	3.19	3.01	5.63	2.36	4.09	47.02
1907	3.22	2.18	1.34	2.30	3.91	4.18	1.45	1.37	10.50	6.91	5.93	5.36	48.65
1908	4.08	6.04	3.11	3.17	5.69	2.16	3.87	3.03	1.62	2.34	0.82	3.20	39.13
1909	3.62	6.39	4.83	8.25	2.87	1.96	3.28	4.14	3.96	1.62	2.18	5.14	48.24
1910	7.89	5.11	0.69	3.96	3.64	4.37	3.00	3.68	4.24	1.02	6.42	2.08	46.10
1911	2.62	2.44	4.89	3.28	2.60	2.57	2.90	5.38	4.98	9.58	4.08	2.97	48.29
1912	2.13	3.20	6.87	4.27	4.48	0.90	2.65	3.38	2.72	4.15	4.66	4.26	43.67
1913	3.42	2.47	5.34	4.90	4.47	0.72	1.36	4.27	4.23	9.97	3.72	2.92	47.79
Av.	3.66	3.74	4.14	3.56	4.21	4.08	4.55	4.81	4.18	4.66	4.26	3.74	49.59

RAINFALL AT COLCHESTER, CONN. Elevation, 370 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	...	...	...	...	...	...	...	...	...	4.96	3.64	5.13	....
1892	4.76	1.22	3.50	1.21	5.05	1.17	3.33	3.91	1.34	1.28	7.58	1.37	35.72
1893	3.18	4.85	5.48	5.41	7.97	1.90	1.43	4.23	3.06	6.60	3.40	3.09	50.60
1894	2.45	3.20	1.55	4.59	4.03	0.49	2.05	1.07	3.01	5.83	4.51	4.08	36.86
1895	4.79	0.51	2.13	6.86	1.89	2.02	4.11	3.63	1.57	6.77	6.50	3.58	44.36
1896	1.84	8.34	5.20	1.80	4.97	3.00	2.45	4.05	6.60	4.65	3.42	3.07	49.39
1897	5.85	2.65	3.26	2.77	5.01	2.64	10.82	8.67	2.85	1.37	6.18	5.55	57.62
1898	4.83	4.80	2.86	5.41	6.16	0.79	5.05	8.65	2.61	6.39	6.32	2.63	56.50
1899	4.61	4.62	6.45	2.74	2.11	2.82	5.38	4.21	3.47	1.21	2.44	2.32	42.38
1900	4.26	9.68	6.26	1.94	3.93	1.80	2.43	0.86	2.48	3.92	6.78	2.17	46.51
1901	1.83	0.55	6.97	9.63	7.29	2.33	6.64	7.83	5.47	2.82	2.71	10.05	64.12
1902	2.99	5.10	6.09	3.58	1.55	3.65	4.75	2.10	6.98	5.78	1.36	8.06	51.99
1903	3.83	6.12	7.93	3.12	0.42	8.40	3.72	6.00	2.97	4.12	1.89	4.82	53.34
1904	4.90	3.67	3.50	8.52	2.74	2.87	2.44	5.07	6.40	2.71	2.74	3.66	49.22
1905	3.89	2.00	3.31	3.89	1.82	5.52	2.26	4.10	4.98	2.54	2.71	5.50	42.52
1906	4.14	2.47	5.08	4.53	5.33	4.64	4.71	1.54	2.95	6.56	2.65	3.58	48.18
1907	4.28	3.58	1.83	3.55	3.61	2.67	1.70	1.33	5.20	5.44	7.31	6.01	46.51
1908	4.75	6.84	3.39	3.07	6.31	1.98	5.32	6.30	1.64	2.20	0.95	3.85	46.60
1909	3.18	8.71	4.27	6.53	2.66	2.80	1.23	3.15	5.89	1.92	2.07	4.38	46.79
1910	6.97	3.39	3.64	4.09	2.39	4.01	2.63	1.94	2.63	1.66	4.72	2.65	40.72
1911	4.45	3.04	4.43	3.78	0.84	2.13	3.01	7.23	2.78	5.82	6.97	3.35	47.83
1912	1.98	2.94	8.27	5.11	5.82	0.67	2.82	5.59	3.18	2.29	4.28	6.27	49.22
1913	3.63	2.93	6.18	6.68	2.86	1.70	1.70	2.91	3.54	9.23	2.80	4.33	48.49
Av.	3.97	4.15	4.62	4.49	3.85	2.73	3.64	4.29	3.71	4.14	4.10	4.29	47.98

RAINFALL AT CORNWALL, CONN. Elevation, 1 300 feet.
(Cream Hill.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	...	...	...	...	...	2.65	4.69	4.68	5.36	3.20	2.98	1.78	....
1897	3.54	2.21	2.09	3.16	4.22	5.15	9.71	5.28	2.85	1.04	5.54	4.53	49.32
1898	3.52	3.68	2.37	4.31	6.70	2.87	1.79	6.77	4.25	3.35	6.46	2.17	48.24
1899	3.47	4.13	5.84	1.47	1.75	3.39	6.70	1.11	4.21	1.67	1.59	2.21	37.54
1900	2.82	5.97	3.84	1.95	5.13	4.42	6.09	2.18	1.75	2.73	5.29	3.00	45.17
1901	1.52	0.84	7.33	6.83	6.90	1.69	4.57	6.97	4.52	4.37	3.26	8.14	56.94
1902	3.26	4.90	4.68	4.76	2.99	5.06	9.40	4.70	7.83	5.42	0.75	7.68	61.43
1903	3.93	4.97	4.94	3.20	1.39	9.74	4.07	5.65	2.85	6.39	3.10	6.65	56.88
1904	4.69	3.13	4.46	3.12	4.28	3.52	6.15	3.89	7.92	2.71	1.24	3.09	48.20
1905	6.91	1.68	3.12	2.74	2.35	3.90	5.83	4.71	6.83	2.90	2.19	2.59	45.75
1906	2.41	2.55	4.06	3.67	5.61	5.60	6.47	3.14	3.58	4.02	1.36	3.84	46.31
1907	2.75	3.12	1.34	3.58	4.42	4.23	2.10	2.11	12.22	9.69	4.69	5.55	55.80
1908	3.95	5.23	2.84	2.10	4.20	2.45	6.65	5.29	1.30	1.99	0.92	3.34	40.26
1909	5.14	6.57	5.16	4.02	3.96	2.94	2.37	4.53	4.21	0.87	2.41	2.57	44.75
1910	6.62	5.20	0.90	3.72	3.93	3.89	2.17	5.24	4.05	1.38	5.39	3.16	45.65
1911	3.01	1.71	3.79	2.12	3.03	2.88	5.35	7.27	3.86	5.47	4.02	1.90	44.41
1912	2.89	1.15	4.80	4.28	6.89	1.28	2.96	4.26	3.42	4.85	4.06	4.03	44.87
1913	2.98	2.14	4.80	3.17	4.92	1.67	1.37	3.89	3.81	9.08	3.23	2.03	43.09
Av.	3.73	3.48	3.90	3.42	4.28	3.81	4.93	4.53	4.67	4.00	3.26	3.91	47.92

RAINFALL AT DANIELSON, CONN. Elevation, 300 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1905	3.50	1.11	2.24	2.17	1.41	3.42	1.18	2.76	4.33	2.23	2.21	3.62	30.18
1906	4.04	3.66	4.86	2.57	4.69	6.10	1.89	2.00	1.98	2.77	4.10	5.70	44.36
1907	5.62	2.83	1.75	1.90	1.91	3.10	2.55	2.20	11.23	6.97	5.69	4.90	50.65
1908	2.70	4.50	1.50	1.62	3.68	2.82	3.51	5.70	1.32	2.00	1.06	3.59	34.00
1909	3.99	6.35	3.83	5.28	3.63	1.62	1.32	1.69	6.11	1.36	2.08	3.80	41.06
1910	6.14	3.07	1.78	2.55	2.11	2.84	2.76	1.37	4.02	1.88	3.19	4.78	36.49
1911	3.54	3.20	4.54	4.55	1.51	1.32	3.73	8.20	3.60	3.03	7.23	3.30	47.75
1912	3.58	2.80	8.17	4.11	4.82	0.34	1.95	3.81	3.80	1.67	4.43	6.78	46.26
1913	3.67	3.86	6.35	5.60	2.78	2.02	3.18	3.32	3.27	5.82	3.75	3.30	46.92
Av.	4.08	3.49	3.89	3.37	2.95	2.62	2.45	3.45	4.41	3.08	3.75	4.42	41.96

RAINFALL AT HARTFORD, CONN. Elevation, 159 feet.
(Hartford Water Works.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1868	3.23	1.75	2.75	4.95	9.10	4.56	1.83	7.15	9.98	0.77	4.45	1.48	52.00
1869	3.60	3.94	6.39	1.63	4.86	7.76	1.33	1.07	3.46	13.33	3.40	5.04	55.81
1870	4.84	6.15	5.26	4.24	1.15	4.18	1.36	1.64	0.70	4.86	3.40	1.95	39.73
1871	2.26	3.20	5.09	2.07	4.78	6.16	2.91	7.02	1.24	6.49	3.60	1.99	46.81
1872	1.08	1.94	3.29	1.35	3.41	4.26	6.08	6.50	3.95	2.60	4.27	2.80	41.53
1873	4.07	2.35	2.20	3.45	6.25	0.15	1.98	6.02	2.56	3.62	2.43	3.87	38.95
1874	5.57	2.75	1.15	6.49	3.52	4.86	5.22	6.50	2.83	1.12	2.30	1.35	43.66
1875	2.06	3.40	3.31	3.15	1.18	2.59	2.18	7.86	1.40	3.60	4.37	0.92	36.02
1876	1.25	4.29	8.47	2.97	4.45	2.54	5.94	0.25	4.43	1.00	3.56	4.45	43.60
1877	2.83	1.09	9.38	2.18	0.43	5.29	3.09	3.63	0.37	7.21	6.09	0.67	42.26
1878	5.78	3.95	3.00	4.59	2.32	4.11	2.22	3.75	2.22	2.22	5.25	5.94	45.35
1879	1.71	3.05	3.03	4.00	1.60	3.74	3.36	6.50	1.70	0.73	1.61	3.08	34.11
1880	2.78	3.06	3.00	1.83	0.73	2.03	7.02	5.20	2.98	1.60	4.80	1.85	36.88
1881	3.80	2.30	4.70	1.16	3.83	2.35	4.80	3.00	0.25	1.86	4.80	4.06	36.91
1882	2.42	5.77	2.60	1.15	3.42	1.31	3.22	1.15	10.88	2.69	0.85	1.58	37.04
1883	1.95	4.42	1.65	1.24	2.95	2.30	3.17	3.20	3.13	5.89	1.30	2.44	33.64
1884	4.45	5.62	4.87	3.29	2.43	1.53	3.83	3.11	0.89	2.48	2.85	6.21	41.56
1885	4.80	3.35	1.00	3.14	2.60	2.73	6.35	10.27	2.18	5.16	4.63	2.50	48.71
1886	5.28	6.08	2.58	3.83	3.18	1.97	5.45	2.43	4.31	2.29	4.67	3.76	45.83
1887	5.84	6.37	4.46	2.52	0.20	6.00	4.52	7.65	2.12	2.99	2.78	4.80	50.25
1888	4.22	4.07	3.03	2.10	4.50	1.12	2.98	3.84	8.55	5.23	5.22	5.43	50.29
1889	4.97	1.34	1.64	3.47	3.00	3.69	9.33	4.70	3.72	5.10	8.29	2.41	51.66
1890	2.25	3.48	6.18	2.92	5.08	3.37	3.83	4.12	4.55	5.86	0.80	3.18	45.62
1891	8.48	4.27	4.75	3.35	2.00	1.92	5.41	3.52	3.28	3.57	2.93	4.99	48.47
1892	4.77	1.68	2.16	1.01	5.59	2.31	2.84	6.69	2.57	1.39	5.81	1.43	38.25
1893	3.20	4.27	5.11	3.61	7.18	2.71	2.18	4.37	2.08	5.35	2.59	3.67	46.32
1894	1.72	3.12	1.88	2.23	6.14	0.48	1.36	2.25	5.80	5.94	5.13	4.12	40.17
1895	4.83	1.42	2.90	4.38	2.13	2.20	4.54	6.92	2.34	4.52	6.01	3.18	45.37
1896	1.32	7.10	4.86	0.73	2.17	4.83	2.78	3.82	5.96	3.42	2.74	1.02	40.75
1897	3.50	3.14	2.98	2.21	5.43	4.24	15.14	3.57	1.65	0.60	5.85	5.28	53.59
1898	3.31	4.26	2.01	3.19	5.63	1.80	4.17	7.20	2.14	5.51	7.91	2.09	49.22
1899	3.35	2.53	5.92	2.74	2.16	2.52	4.83	0.90	3.53	2.20	2.68	1.42	34.78
1900	3.60	8.28	6.29	1.53	4.26	3.66	3.93	3.13	1.98	3.03	4.81	2.79	47.29
1901	1.39	0.50	6.83	11.17	7.23	0.69	3.24	5.53	4.64	3.74	2.06	9.34	56.36
1902	2.22	3.02	6.02	3.95	2.04	3.94	7.03	4.70	6.08	6.30	0.74	6.65	52.69

RAINFALL AT HARTFORD, CONN.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1903	3.14	4.50	6.42	2.90	0.25	10.81	5.63	7.53	4.48	3.70	2.42	3.34	55.12
1904	3.24	2.31	3.20	5.70	2.86	2.45	3.51	5.49	6.93	2.78	1.32	2.28	42.07
1905	3.46	1.33	3.36	2.43	1.21	4.63	3.62	6.40	4.40	2.57	2.10	3.94	39.45
1906	2.25	1.67	4.53	4.76	4.21	2.11	6.32	2.05	3.20	6.28	2.52	2.17	42.07
1907	4.53	1.92	1.07	2.66	3.77	4.10	1.73	1.30	10.77	6.33	5.63	5.45	49.26
1908	3.47	5.33	3.09	1.97	7.11	1.76	5.05	5.41	1.63	1.62	1.00	3.65	41.09
1909	3.23	5.24	4.20	7.59	2.56	3.15	1.63	3.90	3.72	1.85	2.15	3.20	42.42
1910	6.28	3.62	1.16	4.12	2.77	4.07	2.55	2.49	3.34	0.81	4.78	1.69	37.68
1911	2.80	2.39	3.94	3.03	1.79	2.52	2.68	6.38	2.39	10.02	4.41	3.19	45.54
1912	1.50	3.21	6.76	3.99	5.17	0.57	2.26	3.15	2.09	1.78	4.09	4.59	39.16
1913	2.84	2.06	5.58	4.72	5.13	1.24	1.72	3.91	3.90	9.67	2.70	3.66	47.13
Av.	3.46	3.50	4.00	3.30	3.56	3.20	4.05	4.50	3.64	3.95	3.65	3.37	44.18

RAINFALL AT MANSFIELD, CONN. Elevation, 640 feet.

(Storrs.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	2.39	5.88	4.67	3.82	7.12	1.98	1.58	3.79	2.58	6.71	2.45	3.68	46.65
1894	2.24	3.13	1.18	2.67	3.58	0.59	2.09	2.37	3.01	4.16	4.00	4.31	33.33
1895	5.78	0.63	2.62	4.27	2.16	1.78	4.13	3.48	2.97	6.74	6.97	4.12	45.65
1896	1.60	7.10	4.86	0.80	2.72	1.78	3.22	2.71	7.03	3.60	2.49	2.67	40.58
1897	3.84	3.40	3.66	2.37	4.44	2.79	12.24	5.26	1.39	0.92	7.14	5.61	53.03
1898	4.70	4.03	3.09	4.44	3.81	2.48	6.24	5.87	2.22	6.18	6.11	1.96	51.13
1899	3.76	3.97	6.30	2.20	1.27	3.72	5.55	3.27	3.31	1.54	2.10	2.14	39.13
1900	3.42	7.31	6.73	2.67	4.91	4.32	2.76	2.03	2.27	3.00	6.79	2.22	48.43
1901	2.17	1.05	7.18	9.51	6.30	1.96	5.54	7.58	4.33	1.97	3.04	9.55	60.18
1902	2.53	5.11	6.35	3.88	1.59	3.24	7.48	2.17	7.05	5.68	1.10	5.86	52.04
1903	3.79	5.18	7.09	2.81	0.50	9.24	4.56	4.52	1.81	2.79	1.95	4.27	48.51
1904	4.55	2.80	3.31	6.40	1.96	2.53	1.85	6.00	4.71	2.19	1.47	2.42	40.19
1905	3.57	1.21	3.45	2.87	0.90	4.53	1.77	2.63	5.79	2.57	2.73	4.12	36.14
1906	3.16	2.68	5.46	4.40	5.87	2.18	5.03	2.16	2.65	4.85	2.39	2.80	43.63
1907	3.13	0.37	1.68	2.40	3.16	2.81	1.45	1.09	9.71	4.97	6.91	5.28	42.96
1908	3.26	5.20	3.94	1.56	6.54	2.42	5.37	5.91	1.45	1.84	0.80	3.69	41.98
1909	2.77	6.95	3.99	4.38	3.89	2.02	0.84	2.01	5.32	**1.59**	**1.73**	3.82	39.31
1910	5.73	3.93	1.31	3.20	1.50	4.88	2.24	1.99	4.66	1.42	3.51	2.39	36.76
1911	1.05	2.73	3.56	2.61	0.33	1.20	2.30	5.08	2.94	6.24	4.39	3.53	35.96
1912	1.43	2.10	7.29	3.09	4.38	0.29	3.62	5.49	2.33	1.97	3.81	5.73	41.53
1913	3.95	2.80	5.03	4.80	2.65	2.32	4.25	3.55	2.60	5.70	2.05	3.18	42.88
Av.	3.28	3.69	4.42	3.58	3.31	2.81	4.00	3.76	3.82	3.65	3.52	3.97	43.81

RAINFALL AT MIDDLETOWN, CONN. Elevation, 125 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1858	...	...	...	...	...	...	...	...	4.94	2.83	3.06	3.48	....
1859	7.18	4.20	7.52	3.06	4.18	6.09	2.17	6.57	3.90	2.13	2.45	3.88	53.33
1860	1.69	2.62	1.68	1.71	3.86	3.14	2.76	3.70	3.70	2.56	4.74	5.23	37.39
1861	4.13	2.68	4.22	4.97	6.82	3.65	3.54	6.09	3.88	2.20	3.28	1.57	47.03
1862	5.21	2.14	3.87	1.59	2.37	8.05	6.24	1.65	5.45	2.94	5.79	1.73	48.03
1863	4.24	5.11	4.73	4.26	1.74	1.01	11.14	4.90	1.73	3.34	5.02	5.25	52.47

RAINFALL AT MIDDLETOWN, CONN. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1864	3.07	1.40	2.06	1.82	3.82	3.00	1.68	2.92	3.45	2.66	4.13	3.99	34.00
1865	4.16	3.61	4.75	3.41	6.85	2.41	4.65	1.85	0.75	3.21	3.96	2.99	42.60
1866	1.61	5.11	2.60	2.90	5.38	3.02	4.04	4.24	6.74	2.98	4.34	3.31	46.27
1867	2.41	4.34	3.51	2.44	4.53	5.39	3.31	10.22	2.83	4.12	2.75	2.49	48.34
1868	3.36	1.53	2.78	4.48	7.63	5.24	2.36	7.39	10.49	0.89	4.00	2.39	52.54
1869	3.17	5.04	7.51	1.95	6.05	5.38	2.96	2.80	3.90	15.54	3.34	6.33	63.97
1870	5.72	5.45	5.97	5.32	1.74	2.73	1.42	3.29	1.33	4.23	3.08	2.30	42.58
1871	3.43	4.10	6.52	3.14	4.80	4.24	5.48	8.02	1.94	3.69	4.51	3.31	53.18
1872	2.19	2.87	4.02	1.95	3.09	4.89	5.43	5.58	4.94	2.47	5.08	4.08	46.59
1873	6.79	3.03	2.95	3.16	4.25	0.46	2.09	8.31	2.37	6.18	4.29	5.06	48.94
1874	5.98	3.69	1.45	7.11	3.48	2.21	5.78	6.30	2.82	1.44	2.64	2.31	45.21
1875	2.86	4.86	5.18	3.89	1.44	3.25	2.49	5.64	1.59	4.56	5.73	1.20	42.69
1876	1.45	5.11	9.49	3.71	2.87	1.89	10.20	1.23	6.04	1.16	4.05	4.21	51.41
1877	3.38	1.14	9.24	2.60	1.11	6.58	2.99	6.15	0.94	9.11	7.29	1.56	52.09
1878	5.77	5.13	2.89	4.42	2.93	3.68	1.99	4.89	1.80	2.74	5.48	7.91	49.63
1879	2.49	4.07	5.53	5.95	2.69	4.38	5.88	8.24	1.88	1.18	1.78	3.84	47.91
1880	3.50	3.68	3.51	3.80	0.74	3.07	5.67	5.56	4.13	3.94	2.28	2.92	42.80
1881	5.17	6.15	6.42	1.74	4.57	3.55	2.84	2.87	0.49	2.41	4.50	4.19	44.90
1882	5.12	4.74	3.64	1.48	4.38	1.96	2.17	1.25	11.64	4.69	1.65	2.65	45.37
1883	3.74	3.67	2.30	1.56	3.12	1.91	3.06	1.83	2.35	5.61	1.50	3.57	34.22
1884	5.69	5.97	4.66	3.18	3.53	4.76	4.81	5.33	1.50	3.57	2.90	7.20	53.10
1885	4.85	3.97	1.20	2.39	3.57	3.28	2.86	8.50	0.67	4.78	4.94	3.54	44.55
1886	5.22	7.43	3.44	3.43	4.19	3.17	4.27	3.23	2.17	3.31	4.33	5.72	49.91
1887	7.07	7.56	4.62	3.00	0.22	6.13	6.99	4.05	1.76	3.32	2.37	4.86	51.95
1888	5.99	4.29	8.78	1.72	4.38	1.86	1.92	6.14	7.81	6.11	6.16	5.55	60.71
1889	5.64	1.81	2.55	4.04	3.33	3.34	13.43	5.12	4.72	5.47	7.03	2.79	59.27
1890	2.84	3.28	7.45	2.84	5.51	2.16	4.16	4.66	5.97	7.52	0.75	4.46	51.60
1891	9.24	6.09	5.96	3.90	1.62	2.70	4.98	3.52	3.46	4.24	3.00	5.08	53.79
1892	5.93	1.59	3.91	1.09	5.27	1.61	2.94	4.32	1.99	1.24	6.44	1.80	38.13
1893	2.47	7.53	5.39	4.33	7.20	2.99	1.56	4.98	2.55	5.54	3.18	4.15	51.87
1894	2.83	4.18	1.71	2.51	5.29	0.39	1.10	1.33	3.55	8.00	5.72	4.85	41.46
1895	5.66	0.99	2.59	4.14	2.12	4.23	2.98	4.57	2.39	4.04	7.36	3.89	44.96
1896	1.80	7.64	5.31	1.09	3.00	4.36	2.72	2.59	5.26	4.31	3.04	2.62	43.74
1897	5.68	3.28	3.83	2.65	5.00	3.52	13.35	7.12	2.44	1.15	6.60	5.85	60.47
1898	4.22	5.98	2.90	5.52	7.70	0.33	4.24	8.87	3.51	8.95	8.06	3.83	64.11
1899	3.92	5.11	8.59	2.29	2.58	2.86	6.22	1.16	4.76	1.71	2.80	2.03	44.03
1900	4.34	9.03	6.39	2.05	3.79	2.45	2.84	2.13	2.45	3.62	5.55	2.86	47.50
1901	1.85	0.65	7.50	12.44	7.02	0.99	4.79	7.62	5.88	4.67	2.42	10.84	66.67
1902	2.25	4.42	7.99	3.51	1.25	3.91	4.26	2.03	7.98	7.53	1.38	7.67	54.18
1903	3.78	4.86	6.59	3.02	0.45	11.37	3.14	6.57	2.05	4.11	2.18	3.83	51.95
1904	3.47	3.08	2.79	6.98	3.41	2.21	2.72	5.48	4.88	2.98	1.84	1.55	41.39
1905	4.07	1.21	3.21	3.13	1.29	5.05	2.39	4.35	3.80	2.75	1.90	4.50	37.65
1906	3.42	3.09	6.51	4.18	6.21	3.07	4.40	3.04	2.74	6.76	2.62	2.32	48.36
1907	4.95	2.11	1.52	2.91	4.15	3.63	1.28	1.14	8.54	5.30	6.70	5.99	48.22
1908	3.80	6.28	3.22	1.56	6.46	1.41	5.32	7.10	1.11	1.57	0.88	3.72	42.43
1909	2.96	7.04	4.18	7.13	2.59	3.46	1.46	5.17	4.83	1.63	2.85	3.45	46.75
1910	6.71	3.76	1.36	3.41	2.69	4.13	2.72	3.00	2.81	0.89	4.47	2.28	38.23
1911	3.06	2.93	3.45	3.77	0.50	2.46	1.87	5.26	2.37	6.63	6.02	3.88	42.20
1912	2.18	3.42	9.03	4.19	5.35	0.72	2.23	4.57	2.72	1.42	4.25	5.18	45.26
1913	2.92	2.50	5.67	5.65	2.86	1.50	1.93	2.10	2.57	10.26	2.80	3.81	44.57
Av.	4.12	4.12	4.66	3.54	3.76	3.37	4.04	4.67	3.64	4.19	3.97	3.97	48.05

RAINFALL AT NEW HAVEN, CONN. Elevation, 107 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1804	4.76	2.28	4.12	3.60	3.07	2.30	3.32	1.35	4.90	6.07	3.21	4.32	43.30
1805	6.93	1.95	2.20	2.65	3.92	2.71	0.86	3.88	1.65	6.75	3.20	4.10	40.80
1806	3.20	1.87	1.67	2.90	1.82	1.50	3.60	6.80	5.60	0.70	6.15	2.80	38.61
1807	3.80	7.80	3.90	4.75	5.00	2.43	4.32	5.00	1.32	1.45	1.45	4.10	45.32
1808	4.38	2.85	2.70	2.95	9.35	4.08	8.55	0.73	4.37	2.94	2.00	4.50	49.40
1809	4.70	3.14	2.42	3.58	2.23	4.34	4.81	4.38	0.14	5.12	2.39	7.30	44.55
1810	1.46	1.22	2.89	2.67	1.31	4.17	6.88	5.35	1.55	2.03	8.34	1.53	39.40
1811	3.32	5.01	3.69	2.73	1.83	1.89	6.24	5.30	1.88	5.44	4.37	5.96	47.66
1812	4.66	4.28	1.03	3.32	3.51	3.42	4.19	5.55	3.51	4.45	3.03	3.22	44.17
1813	4.54	1.38	5.36	3.68	7.33	4.17	4.04	4.11	4.92	5.86	3.91	4.10	53.40
1814	1.60	7.65	3.71	3.82	6.20	3.00	7.03	9.13	3.22	1.23	7.72	1.75	56.06
1815	3.09	3.33	5.27	3.07	3.87	3.88	6.94	4.90	9.79	0.68	2.19	3.63	50.64
1816	3.68	5.45	2.46	2.72	2.81	3.67	1.15	1.61	6.65	4.14	2.81	0.85	38.00
1817	2.59	4.87	3.27	2.80	1.30	8.90	2.46	4.27	2.74	1.15	5.39	3.64	43.38
1818	2.90	2.30	4.00	4.67	6.36	2.49	3.05	1.63	5.79	1.22	1.53	2.08	38.02
1819	1.16	5.16	5.60	3.94	4.31	1.91	1.44	2.65	3.46	1.26	0.65	2.35	33.89
1820	3.15	3.87	5.36	0.86	5.97	0.96	6.23	2.34	2.22	8.80	3.00	3.43	46.19
1821	4.49	5.28	2.32	4.70	3.44	4.60	1.71	1.00	4.74	5.11	4.28	2.97	44.64
1822	...	...	...	5.78	2.16	2.90	4.26	2.72	4.33	2.28	3.78	...	....
1826	...	...	...	...	...	...	...	...	4.15	5.97	3.67	3.74	....
1827	2.21	3.60	2.57	3.70	4.34	2.67	4.83	6.41	5.40	6.01	6.18	3.46	51.38
1828	...	2.74	3.10	2.30	6.01	3.70	11.10	...	8.90	1.40	3.20	1.20	....
1829	...	4.00	4.43	2.30	3.50	2.96	1.00	...	...	...	...	...	....
1864	...	...	...	...	...	2.36	1.27	2.50	2.90	1.96	4.53	3.31	....
1865	4.74	4.98	4.85	2.39	6.30	2.05	4.29	1.43	0.79	3.59	2.72	3.76	41.89
1866	1.92	5.55	3.62	2.57	5.45	3.38	3.50	6.48	5.10	1.68	3.41	4.32	46.98
1867	2.14	4.60	3.15	1.95	4.34	5.43	1.85	9.73	0.87	6.32	2.41	2.65	45.44
1868	3.16	2.11	2.15	4.70	...	...	...	...	...	...	...	...	....
1873	7.55	3.49	4.05	4.95	6.27	2.07	1.55	9.90	2.12	6.18	4.75	4.44	57.32
1874	4.29	3.86	1.34	7.89	4.92	3.41	4.90	12.99	4.07	1.86	3.44	2.85	55.82
1875	2.72	3.98	3.24	3.28	2.71	3.50	4.42	5.56	2.10	3.18	7.44	1.39	43.52
1876	1.54	4.29	10.15	7.65	3.12	1.76	11.05	1.20	5.34	1.07	4.43	2.38	53.98
1877	2.60	1.07	8.09	3.44	2.14	6.17	2.37	5.69	1.13	10.09	7.11	1.46	51.36
1878	6.80	6.40	4.18	5.08	3.75	2.62	2.53	4.93	7.67	2.33	6.33	5.50	58.12
1879	2.69	3.89	5.82	6.08	3.22	4.62	9.50	9.40	2.13	1.41	2.33	4.41	55.50
1880	3.75	3.80	5.68	3.69	1.24	1.21	4.90	8.14	3.73	4.07	2.82	3.49	46.52
1881	4.79	6.17	10.42	1.71	3.89	5.14	3.53	2.51	1.45	2.78	4.18	4.75	51.32
1882	5.91	4.52	3.59	1.55	5.05	2.74	3.03	0.26	13.43	3.54	1.31	2.99	47.92
1883	3.60	5.00	1.64	2.23	4.52	1.83	5.67	1.26	2.43	5.87	1.56	3.85	39.46
1884	4.63	5.57	4.15	2.36	3.32	5.26	5.89	5.60	1.41	2.49	2.24	6.41	49.33
1885	4.05	3.15	1.19	2.31	2.61	1.43	2.51	8.13	0.77	5.37	3.49	3.31	38.32
1886	3.53	5.95	3.20	3.21	2.74	2.84	4.69	4.56	2.35	1.95	3.83	3.47	42.32
1887	4.24	6.22	4.22	2.75	0.18	5.62	4.66	4.80	2.21	3.24	2.85	3.09	44.08
1888	5.48	3.16	7.46	2.57	6.03	2.15	1.76	7.10	7.68	6.46	4.73	5.68	60.26
1889	4.47	2.08	1.44	4.01	3.81	3.17	17.08	4.38	4.98	3.96	7.78	2.62	59.78
1890	3.07	3.19	6.60	2.89	4.24	3.12	6.59	2.67	5.38	7.63	0.67	2.90	48.95
1891	6.77	5.88	3.68	2.35	1.92	1.90	4.52	3.14	3.96	4.62	2.21	3.74	44.69
1892	5.39	1.56	3.07	1.31	5.11	2.36	4.33	4.99	1.54	0.94	5.46	1.72	37.78
1893	3.47	6.23	4.50	3.84	7.08	2.07	1.89	4.86	2.24	4.75	2.56	3.22	46.71
1894	2.74	4.23	1.15	2.24	4.49	0.49	2.40	1.70	4.63	6.11	4.23	3.33	37.74
1895	5.13	0.99	2.36	3.11	1.70	2.41	3.77	3.91	2.51	3.32	4.84	1.91	35.96

RAINFALL AT NEW HAVEN, CONN. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	1.82	5.65	5.61	1.19	3.67	2.96	3.86	2.57	3.42	2.91	2.33	2.40	38.39
1897	3.85	2.00	3.66	2.44	5.03	2.47	16.63	6.81	2.42	1.25	5.72	5.61	57.89
1898	4.96	4.55	2.54	4.43	8.03	0.21	5.03	6.65	2.30	7.22	5.69	2.11	53.72
1899	4.33	3.39	7.28	1.79	2.52	2.59	4.17	0.65	3.33	1.78	1.89	1.56	35.28
1900	3.60	6.39	4.21	1.95	3.30	1.79	2.28	0.90	2.10	2.03	4.14	2.14	34.83
1901	1.38	0.54	5.80	9.03	6.38	0.25	4.40	6.92	5.70	2.95	1.61	7.65	52.61
1902	1.83	3.58	4.63	3.40	1.61	4.35	3.26	2.14	5.84	6.41	0.79	6.49	44.33
1903	3.17	3.98	5.09	2.61	0.31	7.41	2.17	6.96	2.20	2.94	1.85	2.53	41.22
1904	2.78	2.52	3.28	6.64	2.94	2.46	2.08	6.27	4.96	2.21	1.95	3.64	41.73
1905	4.14	2.06	2.96	3.42	1.18	5.87	2.86	7.20	5.07	2.21	1.53	4.83	43.33
1906	3.20	2.45	5.67	4.48	4.75	5.14	5.62	1.13	4.82	7.44	2.42	4.18	51.30
1907	3.56	2.91	2.59	3.00	4.42	3.18	1.10	1.21	7.67	4.85	6.97	4.73	46.19
1908	4.18	6.44	3.78	2.15	6.16	1.20	3.94	8.12	0.88	1.58	0.83	4.07	43.33
1909	3.38	6.98	4.20	6.66	2.19	3.47	1.42	3.49	3.93	1.76	1.51	4.70	43.69
1910	7.28	4.37	1.16	3.35	4.34	4.03	2.26	3.21	1.83	1.15	4.56	2.30	39.84
1911	3.20	3.45	4.48	4.31	0.74	2.73	2.17	5.57	2.33	7.44	6.40	4.04	46.86
1912	3.08	2.91	9.15	4.56	6.34	0.50	2.14	3.22	2.32	1.22	3.37	6.04	44.85
1913	3.67	3.77	5.33	5.41	2.30	1.09	1.69	3.40	2.52	10.64	2.74	4.28	46.84
Av.	3.78	3.98	4.11	3.51	3.88	3.07	4.32	4.57	3.64	3.86	3.61	3.64	45.97

RAINFALL AT NEW LONDON, CONN. Elevation, 47 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	1.45	1.75	6.23	2.67	2.74	4.58	1.39	3.71	1.35	8.35	5.50	2.78	42.50
1872	2.46	0.96	3.69	2.30	3.16	2.78	5.35	6.06	6.98	3.77	5.46	4.04	47.01
1873	6.38	3.31	2.24	2.88	5.38	0.58	1.38	3.69	2.38	5.62	5.52	2.90	42.26
1874	2.65	2.85	2.96	10.85	5.26	2.63	5.05	16.44	2.08	0.91	3.67	4.24	59.59
1875	4.13	4.09	4.02	2.95	2.68	3.21	6.36	3.55	4.11	4.06	4.16	1.47	44.79
1876	1.83	4.83	7.01	5.74	2.85	0.68	5.65	0.48	5.00	1.44	5.26	2.43	43.20
1877	3.67	1.60	10.96	2.52	2.11	7.70	3.98	4.90	1.21	6.78	5.15	0.73	51.31
1878	5.18	1.22	2.22	1.63	0.98	2.76	3.11	5.44	1.52	3.75	5.80	5.74	39.35
1879	3.32	2.81	5.96	6.48	1.47	4.76	6.04	7.75	4.70	1.16	2.22	4.38	51.05
1880	2.44	3.43	4.97	3.44	1.39	2.16	5.59	6.53	3.06	4.14	2.05	4.03	43.23
1881	**4.89**	**6.13**	**8.01**	**1.64**	**3.64**	**4.26**	**3.39**	**2.86**	**1.16**	**2.75**	**4.54**	**4.20**	47.47
1882	**4.96**	**4.53**	**4.00**	**1.81**	**3.71**	**2.68**	**2.59**	**1.73**	**10.44**	**3.84**	**0.94**	**3.24**	44.47
1883	**3.30**	**4.73**	**1.72**	**2.12**	**4.17**	**1.70**	**5.58**	**1.24**	**2.81**	**6.01**	**1.82**	**3.14**	38.34
1884	**4.81**	**5.84**	**4.07**	**2.75**	**3.07**	**5.58**	**5.15**	**6.42**	**1.11**	**2.41**	2.78	7.36	51.35
1885	5.44	4.03	1.55	3.34	5.02	2.12	2.67	7.69	1.44	6.16	5.69	3.92	49.07
1886	7.36	11.98	4.64	3.63	3.45	2.14	3.82	5.04	3.69	4.14	4.57	4.37	58.83
1887	4.73	5.88	4.65	3.63	1.36	4.69	5.47	4.19	2.32	4.28	2.19	4.62	48.01
1888	4.78	2.33	5.96	2.66	4.90	1.28	1.35	3.81	7.32	3.77	5.46	2.39	46.01
1889	3.54	2.47	2.37	4.02	3.84	4.13	6.91	4.15	4.93	5.25	6.19	1.90	49.70
1890	3.31	2.40	8.60	4.86	4.51	2.94	3.07	2.43	5.51	6.43	0.86	3.93	48.85
1891	6.36	6.46	3.99	3.12	1.42	2.81	3.37	4.99	2.60	6.50	3.37	3.74	48.73
1892	4.82	1.71	4.33	1.86	4.07	2.46	2.57	3.45	2.04	0.98	4.79	1.67	34.75
1893	2.46	5.93	5.38	3.12	5.02	3.60	1.51	3.69	2.29	2.20	2.42	4.10	41.72
1894	3.50	3.80	2.07	2.62	3.53	0.53	0.44	2.91	2.59	7.21	4.75	5.25	39.20
1895	5.54	0.43	4.12	4.51	4.32	2.16	5.83	2.41	1.68	4.71	3.75	1.40	40.86

RAINFALL AT NEW LONDON, CONN. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1896	0.50	3.07	2.96	1.50	2.17	1.72	3.64	3.60	2.49	3.37	2.28	2.75	30.05
1897	4.28	1.45	2.48	3.69	4.76	2.48	6.22	5.06	3.74	1.20	7.85	4.55	47.76
1898	4.45	4.01	3.66	4.49	8.12	1.09	4.72	7.69	3.33	8.47	7.43	1.85	59.31
1899	4.02	6.91	7.59	1.45	2.52	2.60	5.29	2.59	4.32	1.87	1.58	1.73	42.47
1900	4.25	4.72	4.25	2.07	4.84	1.90	1.46	0.89	4.03	1.59	5.15	1.86	37.01
1901	1.55	0.58	5.33	5.22	4.75	1.20	2.38	1.35	4.92	1.60	2.88	6.98	38.74
1902	2.09	3.85	2.22	3.20	1.76	2.77	2.23	1.63	4.63	4.21	0.59	5.67	34.85
1903	2.94	4.04	4.39	3.40	0.54	4.44	2.00	5.70	1.31	2.14	1.29	2.23	34.42
1904	4.98	2.93	2.30	4.87	2.22	2.14	1.69	4.03	5.00	1.96	2.63	4.18	38.93
1905	3.74	1.66	2.54	3.39	1.31	5.72	2.76	5.12	3.54	2.27	2.20	5.00	39.25
1906	2.88	3.28	4.13	3.82	5.34	5.90	6.41	2.10	3.17	7.42	2.53	4.21	51.19
1907	3.71	2.81	2.98	2.51	4.05	3.06	1.90	0.99	5.93	4.74	7.23	5.51	45.42
1908	4.96	5.84	4.20	2.05	4.09	1.82	3.11	7.82	1.57	3.76	0.32	4.38	43.92
1909	3.59	7.18	4.05	6.24	2.90	2.80	2.34	2.95	5.04	1.67	3.29	2.98	45.03
1910	5.78	3.69	1.46	1.98	3.21	3.83	3.10	2.15	2.21	2.58	4.60	2.77	37.36
1911	4.32	2.56	3.18	2.98	0.74	1.89	2.18	6.98	2.27	3.22	6.52	3.40	40.24
1912	2.88	2.64	6.90	4.35	3.45	0.42	2.48	3.33	2.65	1.40	2.47	5.89	38.86
1913	3.69	3.38	3.76	6.91	1.82	1.04	1.71	2.27	4.13	7.84	2.99	3.03	42.57
Av.	3.91	3.72	4.28	3.52	3.32	2.83	3.56	4.23	3.45	3.91	3.78	3.65	44.16

RAINFALL AT NEWTOWN, CONN. Elevation, 600 feet.

(Hawleyville.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1899	3.70	5.46	5.70	1.72	2.13	4.33	4.91	1.19	5.67	1.48	2.10	2.93	41.32
1900	3.68	9.03	5.95	1.90	5.98	4.31	3.02	2.62	3.00	4.25	6.82	2.77	53.33
1901	1.89	0.60	8.35	10.25	7.23	1.01	5.64	7.81	5.02	4.14	1.83	12.60	66.37
1902	3.22	4.32	4.89	3.99	2.36	4.19	5.08	3.14	6.25	6.33	0.84	5.44	50.05
1903	4.39	4.51	5.16	2.50	1.61	10.38	2.56	7.41	6.17	6.32	2.07	4.54	57.62
1904	4.49	3.34	4.25	4.60	4.10	2.38	3.63	4.00	7.26	3.69	1.56	3.37	46.67
1905	6.48	1.71	2.70	3.14	1.24	4.02	5.12	5.96	3.13	2.88	2.17	3.62	42.17
1906	3.00	1.94	4.17	5.59	4.21	5.32	6.83	2.17	2.96	4.54	1.85	2.86	45.44
1907	3.80	2.20	1.23	3.60	5.95	4.91	2.13	1.73	9.68	6.67	6.19	4.75	52.84
1908	3.92	5.04	4.17	2.35	7.16	1.58	2.44	6.25	1.59	2.02	0.88	3.90	41.30
1909	3.36	7.56	4.54	7.69	2.67	2.51	2.21	4.91	3.74	1.16	2.10	3.73	46.18
1910	6.22	3.98	1.42	4.42	3.29	3.33	4.46	4.59	2.17	0.78	5.04	**2.56**	42.26
1911	**2.92**	**2.69**	3.97	3.23	3.17	3.27	2.54	7.78	2.24	7.27	4.47	3.25	46.80
1912	2.70	3.07	8.18	4.48	4.79	0.86	2.70	3.00	4.16	2.93	3.93	4.25	45.05
1913	3.43	2.49	5.47	5.96	3.54	1.33	2.25	3.43	3.80	8.72	3.50	3.02	46.94
Av.	3.82	3.86	4.68	4.36	3.96	3.58	3.70	4.40	4.46	4.21	3.02	4.24	48.29

RAINFALL AT NORWALK, CONN. Elevation, 116 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1892	3.52	1.26	2.48	1.34	5.13	1.48	4.75	5.50	2.30	0.68	8.86	1.54	38.84
1893	2.35	7.46	4.10	3.90	6.84	2.10	3.64	6.57	2.38	5.16	3.24	3.79	51.53
1894	1.64	3.17	1.22	1.82	4.88	1.49	0.83	1.23	5.52	5.86	5.55	4.11	37.32
1895	4.35	0.49	2.45	2.93	1.79	2.10	4.68	4.62	1.99	3.96	4.07	2.75	36.18
1896	1.35	7.08	6.87	0.77	5.33	4.26	4.71	2.53	5.42	2.22	2.41	0.92	43.87
1897	3.90	2.45	3.74	2.41	7.34	2.67	10.12	3.15	2.24	1.79	6.06	5.49	51.36
1898	4.52	3.39	3.23	3.74	8.53	0.79	7.27	7.15	1.40	8.29	6.04	3.26	57.61
1899	4.28	4.65	6.69	2.11	2.65	3.06	5.91	0.37	4.80	1.42	1.92	2.32	40.18
1900	4.11	5.74	4.08	1.95	3.62	2.03	4.30	2.25	3.44	3.47	4.92	2.54	42.45
1901	1.81	0.67	6.59	8.60	8.34	1.29	4.89	8.97	3.08	3.48	1.55	8.58	57.85
1902	2.57	4.62	5.71	3.78	2.60	4.72	2.45	3.09	7.87	7.64	1.30	7.02	53.37
1903	4.45	4.93	5.83	3.22	0.07	10.54	3.03	10.05	2.61	5.07	1.38	4.32	55.50
1904	3.26	3.05	3.88	4.22	1.87	3.19	2.82	8.45	4.46	2.29	2.14	2.78	42.41
1905	4.78	1.42	3.45	3.14	0.69	2.85	3.91	7.37	7.53	2.69	2.38	4.37	44.58
1906	2.96	2.12	5.79	6.32	4.87	1.90	4.96	3.09	3.02	5.66	1.71	4.78	47.18
1907	3.64	3.40	2.82	2.99	4.46	3.56	1.29	1.48	5.98	5.38	5.98	4.76	45.74
1908	3.38	6.02	3.29	2.28	6.67	0.56	6.90	11.38	0.98	1.27	0.95	3.29	46.97
1909	3.69	5.20	3.65	7.80	2.35	1.68	1.96	6.23	3.52	0.97	1.76	3.58	42.39
1910	6.48	3.46	1.32	3.61	3.18	5.08	1.40	1.36	1.42	1.33	3.93	2.31	34.88
1911	2.75	3.54	4.13	3.65	1.60	3.37	2.24	5.18	3.29	8.40	5.42	3.33	46.90
1912	2.01	2.29	8.55	3.62	4.29	1.17	2.17	4.68	2.94	2.50	4.46	5.16	43.84
1913	3.93	2.74	5.86	5.44	3.01	0.75	1.04	7.45	3.58	9.09	2.35	3.43	48.67
Av.	3.44	3.60	4.35	3.62	4.09	2.76	3.87	5.10	3.63	4.03	3.56	3.84	45.89

RAINFALL AT NORWICH, CONN. Elevation, 150 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	2.24	2.96	5.16	2.10	2.26	3.80	1.97	5.16	1.10	6.96	6.38	3.58	43.67
1872	3.60	1.80	1.51	1.83	3.31	3.66	5.39	6.48	7.61	4.38	6.12	5.18	50.87
1873	9.01	6.73	2.81	4.76	6.37	0.27	2.25	6.99	3.18	7.90	5.71	6.37	62.35
1874	5.08	5.34	1.80	8.98	5.09	3.67	4.48	13.30	2.91	1.16	3.43	3.20	58.44
1875	3.55	5.63	6.80	4.47	3.16	3.48	2.28	6.41	2.61	5.52	7.57	1.20	52.68
1876	1.74	5.23	11.79	5.25	2.96	1.36	10.00	0.85	6.86	1.51	5.33	4.34	57.22
1877	3.91	1.42	13.18	3.16	2.18	7.80	2.37	7.15	0.46	9.45	9.14	2.60	62.82
1878	5.72	3.84	3.99	6.75	2.95	3.38	2.92	3.21	2.08	4.22	5.49	5.43	49.98
1879	3.14	4.46	3.89	5.05	2.83	3.27	5.42	7.51	2.86	0.83	2.46	3.46	45.18
1880	1.75	3.10	3.59	4.12	0.62	1.38	5.44	6.29	3.60	3.61	2.24	2.78	38.52
1881	4.99	6.08	5.60	1.56	3.38	3.38	3.25	3.20	0.87	2.71	4.90	3.65	43.57
1882	4.01	4.53	4.41	2.07	2.36	2.62	2.14	3.19	7.45	4.14	0.56	3.48	40.96
1883	3.00	4.45	1.79	2.00	3.81	1.57	5.48	1.22	3.19	6.14	2.08	2.42	37.15
1884	4.98	6.10	3.98	3.13	2.82	5.90	4.41	7.24	0.80	2.32	2.37	7.40	51.45
1885	6.18	2.85	1.11	2.03	3.55	1.62	2.30	7.32	0.50	4.78	4.39	3.55	40.18
1886	6.51	9.52	4.20	2.65	2.87	2.13	3.97	3.79	1.92	3.95	4.37	4.58	50.46
1887	6.77	5.40	4.64	2.60	1.80	5.11	5.50	4.12	2.38	3.29	2.08	4.39	48.08
1888	6.78	3.29	8.37	2.21	5.67	1.22	1.03	6.07	7.85	3.78	6.49	5.00	57.76
1889	4.80	1.92	1.81	4.33	3.72	2.13	9.05	3.78	4.54	5.80	7.16	2.12	51.16
1890	2.86	2.54	7.12	4.18	3.75	2.13	2.53	3.67	5.20	7.02	0.83	4.62	46.45
1891	7.99	3.78	4.90	4.54	1.57	7.31	2.37	5.94	2.61	5.23	3.13	3.38	52.75
1892	4.69	1.22	2.45	1.73	4.38	1.93	2.83	3.37	2.51	1.56	5.19	1.08	32.94
1893	2.35	8.61	5.18	3.11	5.60	2.32	0.89	3.77	2.65	3.09	3.07	3.43	44.07

RAINFALL AT NORWICH, CONN. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	1.68	1.83	1.58	3.03	3.77	0.78	1.23	1.63	1.83	4.72	3.70	4.01	29.79
1895	4.73	**0.98**	2.92	5.09	3.25	3.12	5.92	5.03	2.22	8.12	4.43	2.30	48.11
1896	0.92	7.00	3.26	1.00	3.18	2.37	2.72	3.90	4.20	3.24	3.13	1.39	36.31
1897	2.99	1.58	2.83	3.20	3.71	2.39	6.15	8.23	2.53	0.84	7.58	4.95	46.98
1898	3.37	3.63	2.52	5.18	7.39	2.88	6.17	9.69	2.42	7.03	4.51	2.08	56.87
1899	4.68	2.00	7.61	2.44	1.79	3.01	5.31	2.51	6.51	0.79	2.85	2.08	41.58
1900	3.94	5.74	5.11	2.19	5.08	1.64	2.62	1.22	2.66	2.86	7.40	2.85	43.31
1901	1.43	0.13	8.21	7.46	5.58	1.87	4.47	2.87	5.16	2.00	2.32	9.07	50.57
1902	2.11	2.55	5.07	3.35	0.77	3.23	3.71	1.84	5.35	5.50	1.66	6.40	41.54
1903	4.08	6.41	7.78	3.19	0.31	8.18	3.74	4.27	1.05	2.78	1.70	3.33	46.82
1904	3.43	3.23	2.78	7.99	2.34	2.24	1.94	4.45	5.85	2.15	2.07	3.74	42.21
1905	2.90	1.77	2.95	3.91	1.99	5.20	2.24	4.00	6.26	2.31	2.59	4.41	40.53
1906	4.10	2.85	5.04	3.52	5.17	4.67	4.88	1.54	2.16	8.11	2.05	4.63	48.72
1907	2.81	1.15	1.60	2.72	3.97	2.71	1.42	1.04	5.85	4.48	5.84	5.70	39.29
1908	3.80	5.35	2.73	2.18	4.46	2.60	2.78	5.87	0.93	2.00	0.66	3.92	37.28
1909	2.71	6.82	3.05	5.01	2.03	1.07	1.03	1.85	5.53	1.40	2.90	2.95	36.35
1910	4.70	3.64	0.84	2.47	2.17	2.81	2.90	4.34	1.73	1.73	3.44	2.52	33.29
1911	3.82	2.20	3.72	3.10	0.69	2.00	2.05	4.33	2.07	3.11	6.73	3.37	37.19
1912	2.43	2.40	8.06	4.33	4.49	0.60	5.44	2.75	2.56	1.39	3.82	6.74	45.01
1913	3.92	2.79	4.79	6.15	2.09	1.08	1.90	2.71	4.37	7.03	2.23	3.69	42.75
Av.	3.96	3.83	4.48	3.72	3.29	2.93	3.65	4.51	3.42	3.98	4.00	3.89	45.66

RAINFALL AT SIMSBURY, CONN. Elevation, 300 feet.
(West Simsbury.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1890	2.38	3.70	5.30	2.35	4.22	2.92	4.77	5.23	5.72	6.49	0.61	4.03	47.72
1891	7.94	3.96	4.32	2.73	1.84	2.84	5.11	4.92	1.46	2.45	3.26	4.89	45.72
1892	5.18	1.19	5.17	0.66	6.17	3.17	4.47	5.38	2.01	0.90	5.62	1.28	41.20
1893	3.53	5.94	3.92	3.77	6.75	3.52	2.37	4.29	2.83	5.01	2.43	3.99	48.35
1894	2.56	2.62	1.69	2.22	5.47	0.59	1.95	0.75	5.71	6.34	4.16	4.09	38.15
1895	3.96	1.19	2.30	3.57	1.56	3.73	3.68	5.44	2.68	5.66	4.12	3.96	41.85
1896	1.75	7.67	5.35	1.07	2.86	3.63	4.57	3.02	5.96	3.16	2.93	1.54	43.51
1897	4.42	3.27	3.17	2.34	4.74	4.82	16.21	5.09	1.82	1.13	6.39	6.13	59.53
1898	4.47	6.00	2.14	3.69	6.18	2.23	4.59	7.38	2.07	4.99	6.48	3.42	53.64
1899	3.36	3.63	6.76	2.04	2.04	6.71	6.60	3.79	4.29	1.87	1.94	2.54	45.57
1900	3.06	9.06	5.77	1.68	5.44	2.79	3.99	2.67	2.32	3.64	5.98	2.29	48.69
1901	1.41	0.52	5.52	11.10	7.15	1.60	2.54	5.82	5.16	4.26	2.24	8.06	55.38
1902	2.77	5.06	4.95	4.39	1.61	3.52	7.23	3.50	5.78	6.15	0.98	7.32	53.26
1903	4.02	5.18	5.13	2.95	0.73	9.79	3.79	7.21	4.57	3.70	3.09	4.80	54.96
1904	3.53	1.88	5.18	4.35	2.16	2.46	3.47	5.29	5.29	2.90	1.22	3.13	40.86
1905	6.70	1.39	2.74	2.16	0.83	3.53	3.13	3.83	4.76	2.15	1.91	3.12	36.25
1906	2.21	1.81	4.62	3.84	4.24	1.96	7.38	1.80	3.29	5.75	2.78	4.03	43.71
1907	2.93	2.45	1.14	2.42	3.99	3.30	1.17	1.56	9.83	6.31	5.38	4.46	44.94
1908	3.81	5.91	3.11	2.45	5.48	2.38	2.31	**3.46**	1.17	1.78	0.83	3.02	35.71
1909	3.26	5.81	4.42	7.52	2.40	1.58	2.15	4.05	4.07	1.48	1.99	4.00	42.73
1910	6.27	4.33	0.64	**4.04**	2.61	4.10	2.39	**2.59**	3.99	**0.96**	4.60	2.15	38.67
1911	2.60	2.61	3.66	2.51	1.86	2.75	3.68	6.14	5.05	9.31	3.83	2.82	46.82
1912	2.08	2.99	5.84	3.69	3.73	0.57	3.01	4.23	2.85	3.44	4.22	4.32	40.97
Av.	3.66	3.83	4.04	3.37	3.65	3.24	4.37	4.24	4.03	3.90	3.35	3.89	45.57

RAINFALL AT SOUTHINGTON, CONN. Elevation, 140 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	2.93	3.91	5.84	2.35	5.05	5.11	2.45	8.72	1.40	6.05	4.15	2.77	50.73
1872	1.87	2.87	4.04	1.54	3.13	3.70	5.07	6.09	3.29	2.51	4.90	3.35	42.36
1873	5.70	3.55	2.54	3.63	5.30	0.48	4.22	9.42	2.50	4.45	4.16	5.75	51.70
1874	6.47	3.50	1.20	7.08	3.56	2.76	6.36	6.28	2.75	0.87	2.74	1.70	45.27
1875	3.31	5.37	5.86	4.14	1.90	3.58	4.34	7.41	1.55	2.91	4.73	1.24	46.34
1876	1.47	5.63	7.05	4.17	3.65	1.81	6.83	1.04	2.99	1.78	3.57	5.23	45.22
1877	3.30	1.15	7.27	2.13	0.51	7.42	4.55	5.18	1.27	7.93	5.51	1.05	47.27
1878	4.73	5.24	3.06	4.95	2.85	3.26	2.21	3.84	3.50	2.00	5.63	5.58	46.85
1879	2.09	3.78	5.29	4.59	2.53	4.27	5.61	7.22	2.22	1.00	1.45	3.44	43.49
1880	3.68	3.38	3.42	2.63	0.71	2.81	6.46	3.25	3.59	2.66	2.35	2.38	37.32
1881	4.47	5.26	5.76	1.15	5.30	2.95	2.51	2.80	0.38	1.74	4.61	4.18	41.11
1882	3.99	3.62	2.87	0.85	2.33	1.28	3.40	0.40	10.13	2.71	1.53	1.06	34.17
1883	2.91	4.43	1.85	1.15	3.88	0.45	2.68	1.66	2.73	4.47	1.11	2.70	30.02
1884	4.18	4.76	3.49	3.05	2.46	2.06	4.08	4.18	0.53	2.85	2.35	6.45	40.44
1885	4.20	4.08	0.87	1.92	1.59	2.05	2.28	9.55	0.93	3.55	3.53	3.43	37.98
1886	3.93	5.47	3.35	3.57	2.28	2.25	3.80	2.35	2.00	1.60	3.98	3.89	38.47
1887	4.98	5.18	4.78	2.00	0.03	5.18	3.95	6.03	0.46	3.30	2.03	5.30	43.22
1888	4.78	4.65	7.40	1.86	3.15	1.53	1.85	5.15	7.80	4.70	4.33	6.13	53.33
1889	5.65	1.71	1.63	3.96	3.66	4.11	12.13	3.13	4.44	4.58	7.10	2.54	54.64
1890	2.15	3.88	7.18	3.33	5.77	3.20	2.91	3.37	3.61	6.94	0.70	4.14	47.18
1891	10.81	5.35	5.95	3.16	1.34	1.10	3.65	2.93	3.70	2.95	2.65	5.30	48.89
1892	5.50	1.28	4.00	1.05	5.63	1.10	2.25	5.15	2.43	1.15	5.38	1.30	36.22
1893	3.11	6.71	5.56	3.68	6.87	3.60	2.10	6.10	2.04	5.60	2.65	3.90	51.92
1894	2.21	3.85	1.21	2.35	6.85	0.65	2.00	2.15	5.60	6.30	4.50	4.05	41.72
1895	4.33	1.13	2.13	3.70	2.15	3.20	3.20	5.43	3.47	4.05	6.93	3.12	42.84
1896	1.60	6.20	6.00	1.10	2.91	5.30	3.23	3.20	6.13	3.30	3.10	2.03	44.10
1897	4.68	2.65	2.55	2.03	5.50	4.55	19.90	6.33	2.65	0.85	5.50	6.35	63.54
1898	3.95	4.90	2.38	3.23	5.56	0.53	3.33	8.50	2.63	6.09	7.68	1.60	50.38
1899	4.03	3.78	6.66	1.90	1.75	2.23	5.62	0.45	4.13	2.35	2.15	1.68	36.73
1900	3.35	7.70	5.80	1.60	5.15	3.13	2.70	1.90	2.20	2.95	5.70	2.45	44.63
1901	1.60	0.90	6.80	9.65	7.00	0.50	6.30	5.95	6.60	3.55	2.25	9.80	60.90
1902	2.10	4.55	6.45	3.40	1.65	3.70	5.65	3.25	7.70	6.10	0.65	8.55	53.75
1903	3.80	4.20	6.60	2.50	0.50	12.10	3.65	6.90	3.00	3.00	2.15	4.10	52.50
1904	3.70	2.65	2.65	5.20	2.63	2.63	4.85	5.45	6.90	2.55	1.35	2.80	43.36
1905	4.25	1.80	2.90	2.12	1.45	4.90	2.95	4.75	4.05	1.50	2.05	4.50	37.22
1906	2.30	1.90	5.40	4.40	4.80	4.05	5.00	1.90	2.35	6.05	2.40	2.60	43.15
1907	3.95	2.10	1.10	2.75	3.15	3.55	1.15	1.18	11.90	5.30	6.15	5.55	47.83
1908	3.30	5.70	3.60	1.10	7.40	1.20	4.65	7.10	1.40	2.15	1.00	3.90	42.50
1909	2.80	5.48	3.70	7.20	2.40	4.15	2.50	3.60	3.95	1.50	2.95	3.75	43.98
1910	7.60	3.80	1.00	4.00	2.68	3.45	2.30	3.05	1.20	0.55	4.75	2.65	37.03
1911	3.40	2.80	4.60	3.60	0.20	2.80	2.65	7.20	2.15	8.80	4.35	3.45	46.00
1912	2.35	3.70	8.45	4.17	5.00	0.70	3.30	2.80	2.30	1.65	4.05	5.10	43.57
1913	3.10	2.93	6.30	3.80	3.95	2.15	1.20	3.00	3.95	10.30	2.85	3.55	47.08
Av.	3.83	3.90	4.34	3.20	3.40	3.06	4.23	4.54	3.50	3.66	3.57	3.82	45.05

RAINFALL AT THOMPSON, CONN. Elevation, 400 feet.
(North Grosvenordale.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	8.67	5.45	5.35	3.58	1.91	3.10	3.91	4.03	2.22	3.33	3.25	3.89	48.69
1892	5.38	1.70	3.16	0.59	6.00	3.79	4.54	5.00	1.80	1.52	5.61	1.29	40.38
1893	2.40	5.89	3.99	3.24	6.03	1.75	1.27	4.03	2.44	4.55	2.40	3.50	41.49
1894	2.66	2.48	0.94	2.84	4.18	0.18	1.51	2.86	1.26	3.68	3.89	3.69	30.17
1895	4.45	0.65	3.18	4.66	2.55	4.74	3.43	3.60	3.40	9.12	9.69	5.62	55.09
1896	2.56	8.93	6.64	1.21	2.18	3.01	2.18	2.47	7.78	2.94	3.22	3.09	46.21
1897	4.92	4.51	4.99	2.42	5.71	2.99	9.09	5.66	1.97	1.03	7.24	5.53	56.06
1898	7.43	3.17	2.41	4.34	3.02	2.31	7.88	5.20	2.93	6.10	6.36	2.99	54.14
1899	4.51	5.54	6.53	4.59	1.85	3.81	5.62	1.26	4.40	1.19	2.47	2.21	43.98
1900	5.04	7.72	6.53	2.75	5.84	3.66	4.16	1.57	2.09	4.10	6.30	2.46	52.22
1901	2.01	1.17	7.17	7.23	5.12	1.50	4.32	5.01	4.17	3.36	2.49	10.43	53.98
1902	2.49	5.91	5.47	2.86	1.45	3.91	7.34	3.59	3.94	5.66	0.92	7.02	50.56
1903	3.93	5.54	8.14	3.23	0.49	7.33	3.51	4.59	1.70	3.11	2.05	4.10	47.72
1904	5.48	2.89	3.71	7.62	1.88	2.20	2.22	6.61	6.72	2.01	1.67	3.16	46.17
1905	2.93	1.85	3.31	2.88	1.52	3.93	0.76	4.03	5.88	1.83	2.55	4.28	35.75
1906	2.91	2.54	4.68	2.72	6.46	3.10	3.96	1.96	2.04	4.08	2.04	3.34	39.83
1907	2.93	2.79	1.37	2.26	2.95	3.04	1.30	0.84	8.71	5.05	5.63	3.17	40.04
1908	1.18	3.77	2.27	1.14	2.77	2.31	4.26	7.70	1.03	1.48	0.88	3.41	32.20
1909	2.82	5.41	3.07	5.41	2.57	2.31	1.40	2.35	4.40	1.15	1.73	2.71	35.33
1910	4.01	3.67	0.81	3.03	1.66	3.41	0.91	1.32	1.79	1.49	2.61	1.49	26.20
1911	2.69	1.71	2.62	2.25	0.35	1.49	3.61	3.46	3.06	2.44	3.21	3.68	30.57
1912	2.34	1.66	6.56	4.64	5.07	0.67	4.52	5.22	1.37	1.76	3.58	5.52	42.91
1913	3.70	4.72	5.94	4.93	3.89	2.79	1.76	3.79	3.98	6.73	3.13	3.34	48.70
Av.	3.80	3.90	4.30	3.50	3.28	2.93	3.63	3.74	3.44	3.38	3.60	3.91	43.41

RAINFALL AT TORRINGTON, CONN. Elevation, 25 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1902	2.12	4.09	3.80	4.19	2.01	4.52	8.22	5.39	5.99	5.91	0.95	6.37	53.56
1903	3.92	4.55	4.48	2.62	0.82	10.19	4.80	5.66	2.95	4.50	3.09	3.26	50.84
1904	2.90	1.70	3.05	4.21	3.02	3.62	4.97	5.82	7.11	2.59	0.94	2.68	42.61
1905	7.08	1.31	3.39	2.54	1.13	3.68	4.13	4.69	5.11	2.73	2.93	3.58	42.30
1906	2.31	2.01	4.74	3.59	4.87	2.31	5.93	2.36	3.22	5.53	1.68	2.27	40.82
1907	2.98	1.95	1.98	2.92	4.49	3.40	2.16	4.64	9.84	7.71	5.22	**5.36**	52.65
1908	3.69	4.92	2.63	3.15	4.65	2.14	4.01	**3.03**	1.78	1.52	0.33	3.17	35.02
1909	3.78	5.80	3.68	7.49	3.09	2.34	**3.28**	**4.14**	3.91	1.33	2.90	2.79	44.53
1910	...	...	...	...	...	...	...	...	...	...	...	...	....
1911	2.58	2.07	...	...	...	...	5.85	...	...	7.47	3.24	2.58	....
1912	1.71	2.77	...	4.17	...	...	...	3.45	2.58	3.54	3.86	4.46	....
1913	3.35	2.52	6.69	5.69	...	...	...	...	4.13	10.08	3.46	3.61	....
Av.	3.60	3.29	3.47	3.84	3.01	4.02	4.69	4.47	4.99	3.98	2.25	3.68	45.29

RAINFALL AT VOLUNTOWN, CONN. Elevation, 260 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1885	4.60	3.30	1.30	2.35	3.52	1.45	3.30	6.55	0.85	5.20	5.17	5.35	42.94
1886	6.40	11.25	3.95	2.52	3.25	1.65	2.37	4.00	2.10	4.70	4.30	6.15	52.64
1887	7.00	6.20	3.45	3.80	2.00	5.00	5.80	3.51	2.57	2.95	2.30	5.65	50.23
1888	6.75	4.20	8.45	2.45	4.80	0.95	1.75	4.95	8.25	4.46	8.39	4.84	60.24
1889	6.32	2.15	2.85	4.47	3.82	2.77	9.35	5.38	7.07	4.30	7.13	3.05	58.66
1890	3.14	2.55	7.41	5.38	3.65	3.26	2.79	4.67	4.91	8.47	1.10	5.03	52.36
1891	8.20	6.52	4.85	5.31	2.03	1.97	2.56	5.08	4.10	6.82	3.57	3.36	54.37
1892	5.77	1.25	3.72	1.82	4.58	1.97	3.00	3.37	2.83	2.36	6.54	1.62	38.83
1893	3.10	8.46	5.39	4.01	7.10	2.57	1.48	4.14	2.22	3.83	3.75	5.01	51.06
1894	3.84	3.72	1.65	4.12	4.25	1.42	1.83	2.22	2.30	5.64	4.45	4.47	39.91
1895	5.61	1.02	3.37	4.96	3.52	3.41	6.37	4.46	1.76	6.14	7.93	3.36	51.91
1896	2.10	6.45	5.49	1.50	3.39	2.92	3.89	2.77	6.25	3.05	4.17	2.20	44.18
1897	5.05	2.46	3.40	3.66	4.46	3.66	8.53	5.58	1.82	0.80	8.17	6.31	53.90
1898	4.66	5.12	3.08	5.93	6.45	3.44	5.73	7.28	2.65	9.33	5.14	2.03	60.84
1899	3.86	4.60	7.90	2.64	1.52	2.59	4.58	2.22	8.41	1.43	2.75	2.38	44.88
1900	4.80	8.06	6.78	2.43	4.48	2.23	2.58	2.00	3.10	2.80	6.63	2.71	48.60
1901	2.24	1.25	8.84	9.61	6.08	2.33	3.96	3.33	4.91	1.85	2.99	10.74	58.13
1902	2.65	6.72	6.87	4.07	1.21	3.97	4.19	1.67	5.36	4.67	1.45	6.38	49.21
1903	4.84	6.80	7.69	3.67	0.46	6.88	2.94	3.79	1.13	3.70	1.92	4.35	48.17
1904	4.44	3.64	2.24	6.92	3.30	3.53	1.90	4.31	5.60	1.91	2.03	3.43	43.25
1905	2.89	2.05	2.81	3.38	1.76	5.81	1.58	4.23	6.42	2.46	1.79	5.05	40.23
1906	3.48	3.02	4.67	4.95	5.25	1.96	8.17	3.39	2.19	7.49	1.65	4.23	50.45
1907	4.05	2.18	1.84	3.11	4.89	2.15	1.05	1.17	6.81	3.97	5.83	5.66	42.71
1908	3.98	6.73	3.32	1.90	4.49	2.68	3.90	6.91	1.18	2.63	0.85	4.58	42.15
1909	3.42	7.28	3.67	5.07	2.24	1.35	**1.03**	1.25	3.79	1.67	2.61	3.45	36.83
1910	4.53	3.02	**0.84**	2.37	2.57	3.54	2.90	3.31	2.04	1.66	4.03	3.24	34.05
1911	4.16	2.70	3.62	3.81	**0.69**	**2.00**	**2.05**	**4.33**	**2.07**	**3.11**	**6.73**	**3.37**	38.64
1912	3.83	2.37	7.42	5.01	3.43	0.66	2.81	2.94	2.25	1.47	3.46	6.23	41.88
1913	3.86	3.21	4.38	6.43	1.90	1.39	1.61	3.26	3.15	6.54	2.30	3.94	41.97
Av.	4.47	4.42	4.52	4.06	3.48	2.74	3.59	3.83	3.73	3.98	4.11	4.42	47.35

RAINFALL AT WALLINGFORD, CONN. Elevation, 130 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1856	...	...	...	4.10	6.85	3.07	2.93	11.68	3.22	1.98	2.67	6.61	...
1857	4.39	...	2.47	7.11	7.76	3.23	8.29	5.62	3.17	5.88	2.06	4.38	...
1858	3.13	1.92	1.57	3.87	2.62	5.08	3.26	4.02	5.18	3.29	3.23	4.47	41.64
1859	6.94	4.24	8.45	3 76	4.73	6.25	2.58	6.12	5.63	1.91	2.49	4.01	57.11
1860	2.38	3.13	2.62	2.11	4.04	1.64	2.72	5.53	3.38	3.10	6.37	4.97	41.99
1861	4.67	2.90	4.97	5.83	5.67	3.68	2.85	5.66	4.61	2.20	4.47	1.17	48.68
1862	5.71	3.01	4.30	1.93	2.93	7.60	5.28	**1.65**	**5.45**	**3.94**	**5.79**	**1.73**	49.32
1863	**4.24**	**5.11**	**4.73**	**4.26**	**1.74**	**1.01**	**11.14**	**4.90**	**1.73**	**3.34**	**5.02**	**5.25**	52.47
1864	**3.07**	**1.40**	**2.06**	**1.82**	**3.82**	**3.00**	**1.68**	**2.92**	**3.45**	**2.66**	**4.13**	**3.99**	34.00
1865	4.92	4.60	6.31	3.26	7.26	4.89	6.84	1.57	1.38	4.33	3.15	4.01	52.52
1866	1.71	6.48	3.41	2.89	5.80	4.31	3.28	4.21	6.17	3.35	4.96	4.38	50.95
1867	2.42	2.64	4.08	2.76	6.31	5.40	2.45	10.53	2.59	5.91	3.50	2.70	51.29
1868	4.55	1.69	2.66	5.58	7.79	3.67	2.44	7.27	8.40	0.93	4.31	2.47	51.76
1869	3.05	5.22	7.02	2.16	6.36	3.23	2.98	1.95	3.27	13.29	3.58	6.35	58.46
1870	6.38	5.19	5.60	6.21	1.39	3.12	2.96	2.11	1.40	5.37	3.43	2.19	45.35

RAINFALL AT WALLINGFORD, CONN. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1871	3.88	3.99	6.54	3.84	4.37	6.27	2.03	7.04	2.02	5.55	4.62	3.23	53.38
1872	1.47	2.99	4.16	1.72	3.60	4.23	5.02	6.96	4.31	2.70	5.38	3.66	46.20
1873	6.71	3.52	2.50	3.28	5.42	0.38	2.17	9.93	2.16	5.03	4.36	4.84	50.30
1874	6.51	3.88	1.53	7.88	3.78	1.93	4.54	7.13	3.29	1.20	3.12	2.32	47.11
1875	2.90	5.18	5.48	3.74	2.12	3.37	3.21	4.88	2.10	3.32	5.72	1.37	43.39
1876	1.36	5.26	10.90	4.98	3.61	1.40	10.01	1.69	5.00	1.43	4.37	4.19	54.20
1877	3.47	1.50	8.30	2.35	1.07	6.59	2.35	4.63	0.65	8.34	6.81	1.76	47.82
1878	5.83	5.71	2.95	4.73	3.44	3.97	3.40	3.96	4.87	2.73	5.87	7.06	54.52
1879	2.64	3.88	4.93	5.80	2.32	3.90	8.99	8.04	1.80	1.30	2.00	4.19	49.79
1880	4.02	3.79	3.63	4.59	1.16	2.04	5.38	4.62	3.86	3.89	2.87	3.00	42.85
1881	6.39	6.97	7.79	1.35	4.51	3.54	3.07	1.82	0.68	2.99	4.06	4.89	48.06
1882	5.98	4.59	4.14	1.22	4.51	2.46	2.43	1.51	11.90	3.63	1.62	3.86	47.85
1883	4.81	5.56	2.58	1.91	3.95	2.24	5.05	1.03	2.56	6.51	1.77	4.33	42.30
1884	5.16	6.06	5.40	2.98	3.94	4.52	3.92	5.32	0.91	3.40	2.73	7.53	51.87
1885	5.27	4.17	1.52	2.72	3.07	1.91	3.04	7.96	0.75	5.59	5.05	4.25	45.30
1886	5.37	8.77	3.67	4.20	3.72	2.78	4.23	3.23	2.98	2.73	4.68	5.93	52.29
1887	5.71	7.16	5.05	3.19	0.25	8.12	4.53	4.77	2.12	3.25	2.54	5.18	51.87
1888	7.00	4.30	7.10	1.91	5.27	2.74	2.18	6.18	7.21	6.52	4.42	5.80	60.63
1889	5.17	2.10	3.59	4.99	4.18	4.06	13.58	5.22	5.02	4.45	8.11	2.65	63.12
1890	3.25	3.09	6.43	2.67	4.22	3.34	4.83	3.84	5.66	7.21	0.97	4.18	49.69
1891	9.15	6.73	5.05	3.87	2.34	1.39	5.43	3.01	3.84	4.22	2.87	4.97	52.87
1892	6.41	1.72	3.59	1.14	4.57	1.99	3.47	3.74	2.16	0.92	6.28	1.89	37.88
1893	3.15	8.08	5.86	4.21	8.06	2.35	2.24	4.75	2.42	4.87	2.94	3.82	52.75
1894	2.92	5.45	1.69	3.30	4.56	0.65	1.16	2.23	4.88	7.07	6.86	4.09	44.86
1895	5.59	1.06	3.61	4.07	1.52	6.08	4.50	4.72	2.65	5.83	5.39	3.13	48.15
1896	1.72	8.10	3.93	1.58	2.49	4.30	2.89	3.49	4.12	3.40	2.73	2.41	41.16
1897	4.76	1.95	3.84	2.82	6.64	3.62	16.69	5.13	1.11	1.29	6.86	**5.73**	60.44
1898	**4.56**	**5.27**	**2.72**	**4.98**	**7.87**	**0.27**	4.96	7.93	2.18	7.62	9.48	2.16	60.00
1899	5.02	6.69	8.70	1.97	2.01	2.87	6.67	1.02	3.79	2.49	1.27	1.95	44.45
1900	4 59	8.25	5.24	1.93	4.35	1.61	2.39	1.48	3.54	2.82	5.97	**2.50**	44.67
1901	1.93	0.65	4.36	**10.74**	7.80	1.41	2.33	2.06	5.55	3.84	2.38	8.16	51.21
1902	2.07	6.40	7.39	4.34	1.53	4.44	**3.76**	**2.09**	7.53	6.95	1.64	8.60	56.74
1903	4.01	5.58	6.50	3.13	1.23	11.48	2.46	5.96	1.75	3.33	2.10	4.48	52.01
1904	4.91	4.34	3.54	5.86	2.91	1.33	2.31	5.18	6.05	1.18	2.28	4.33	44.22
1905	5.54	**1.64**	3.29	2.95	1.00	4.56	2.25	5.68	3.86	2.60	2.20	5.03	40.60
1906	4.15	3.15	6.40	3.95	4.58	3.97	4.36	2.52	3.92	6.95	1.95	3.77	49.67
1907	3.23	3.19	1.94	3.95	4.35	**3.41**	1.10	1.09	6.88	3.51	6.18	5.92	44.75
1908	4.46	5.93	3.37	2.39	5.59	1.13	2.84	7.14	0.84	1.70	0.81	**3.90**	40.10
1909	2.93	5.89	4.61	7.13	1.90	2.08	1.52	4.40	4.96	1.32	2.39	4.99	44.12
1910	7.62	4.56	0.72	3.15	3.24	4.88	3.29	3.06	1.81	0.91	4.24	1.92	39.40
1911	3.60	3.95	4.18	3.94	1.13	1.82	2.31	4.75	2.27	6.75	6.64	4.04	45.38
1912	2.58	3.02	9.82	4.45	5.63	0.71	4.22	4.64	1.91	1.20	4.10	5.64	47.92
1913	3.23	3.37	4.99	5.12	2.77	1.47	2.13	3.15	2.37	10.06	2.70	4.72	46.08
Av.	4.36	4.37	4.67	3.71	3.88	3.40	4.10	4.42	3.62	4.04	4.03	4.11	48.71

RAINFALL AT WATERBURY, CONN. Elevation, 400 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1887	4.75	6.07	4.24	3.84	0.13	6.60	3.79	5.64	1.68	2.97	2.25	5.20	47.16
1888	4.73	5.11	6.46	1.78	4.13	1.55	2.73	4.53	7.57	4.72	4.42	5.84	53.57
1889	5.85	1.61	2.02	4.29	4.64	4.09	10.83	2.76	4.26	4.03	8.74	2.74	55.86
1890	2.54	3.77	6.08	2.43	5.97	3.26	4.96	4.50	4.98	6.89	0.93	5.21	51.52
1891	10.06	5.65	5.08	3.86	1.84	1.14	4.17	3.04	1.68	3.04	3.33	5.71	48.60
1892	6.01	1.30	3.45	0.95	5.55	2.27	4.37	5.30	2.62	0.92	5.96	1.74	40.44
1893	2.96	7.37	4.83	3.46	6.44	1.82	3.31	7.22	1.75	5.21	2.49	4.08	50.94
1894	2.68	4.13	1.43	3.16	7.58	0.54	2.43	2.41	5.35	4.91	4.30	4.21	43.13
1895	4.86	1.92	2.58	3.85	1.96	2.82	3.73	7.29	2.16	5.19	5.22	3.83	45.41
1896	2.37	9.25	5.99	1.83	2.34	5.71	3.16	2.67	5.01	2.77	3.09	2.39	46.58
1897	4.58	3.48	2.67	1.97	5.34	3.77	18.10	3.51	2.18	1.08	6.00	5.99	58.67
1898	5.09	3.49	2.47	3.67	6.86	0.94	3.37	9.48	2.52	5.82	7.57	3.86	55.14
1899	3.82	4.58	6.75	1.80	2.07	2.32	6.02	1.03	5.30	2.42	1.69	2.81	40.61
1900	3.77	8.46	5.51	2.23	4.39	3.02	3.10	2.09	2.15	3.59	5.96	2.56	46.83
1901	1.78	0.55	7.44	11.51	8.08	0.65	4.44	9.37	6.25	4.32	2.37	9.82	66.58
1902	3.43	6.67	5.56	4.11	2.01	5.16	4.58	2.82	6.42	6.19	1.34	6.92	55.21
1903	3.78	4.32	6.45	3.38	0.73	11.25	3.71	6.36	3.02	4.77	2.30	4.37	54.44
1904	4.45	2.54	3.74	4.50	3.31	4.20	4.62	4.93	8.02	3.05	1.59	3.28	48.23
1905	6.50	1.50	3.59	2.85	1.27	4.22	4.20	5.65	4.27	2.50	1.72	3.72	41.99
1906	2.79	2.29	5.97	4.30	3.74	4.83	5.49	2.71	1.92	6.26	2.18	4.13	46.61
1907	3.45	2.52	1.53	2.77	3.87	4.37	2.29	1.35	9.82	5.89	5.69	5.81	49.36
1908	4.72	6.86	3.07	2.65	5.85	1.10	6.53	6.53	1.39	2.43	1.14	3.75	46.02
1909	3.83	6.15	4.36	7.97	2.83	3.11	1.56	3.47	4.51	1.17	1.89	4.83	45.68
1910	8.05	4.27	1.16	4.08	2.95	3.30	3.04	3.16	2.56	0.98	5.40	2.21	41.16
1911	2.99	2.81	3.69	3.75	0.87	3.33	4.54	8.11	2.24	8.27	4.48	3.44	48.52
1912	2.36	3.20	7.87	4.38	5.51	0.91	3.63	3.12	2.34	3.52	3.97	4.64	45.45
1913	3.01	3.02	5.53	5.22	3.76	3.31	1.36	2.93	3.37	8.83	2.92	2.84	46.10
Av.	4.27	4.18	4.43	3.73	3.85	3.32	4.59	4.52	3.90	4.14	3.66	4.29	48.88

NEW YORK.

RAINFALL AT ALBANY, N. Y. Elevation, 97 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1826	2.43	1.36	3.81	1.77	0.76	6.22	5.53	2.46	3.58	2.37	1.56	1.27	33.12
1827	5.40	3.07	2.38	4.66	3.43	3.75	5.43	4.69	5.67	4.65	2.76	3.91	49.80
1828	2.25	2.53	1.94	2.52	4.48	2.87	5.40	0.88	8.08	1.56	4.91	0.24	37.66
1829	4.56	3.26	2.78	4.77	2.68	3.90	3.22	1.46	2.73	2.41	3.86	2.44	38.07
1830	1.76	1.41	4.86	2.37	4.63	7.58	2.37	1.55	0.93	3.15	7.29	3.95	41.85
1831	1.88	4.17	2.38	4.59	2.88	4.04	4.32	3.25	3.93	4.82	1.71	1.57	39.54
1832	4.21	3.12	2.59	2.90	2.69	3.57	4.28	7.51	2.76	4.20	3.28	3.34	44.45
1833	2.63	2.56	1.62	1.33	8.47	2.36	4.48	3.36	3.14	7.50	2.43	1.86	41.74
1834	1.35	2.04	1.60	2.35	3.70	2.32	5.25	2.77	2.34	3.77	1.37	3.59	32.45
1835	4.64	1.79	2.60	4.54	2.71	6.48	5.39	5.34	1.28	2.22	2.26	1.19	40.44
1836	7.30	4.39	1.70	2.30	3.86	5.67	2.43	2.25	3.49	3.99	3.31	3.91	44.60
1837	2.25	2.77	3.47	1.63	7.34	5.06	4.38	3.96	1.95	3.59	2.14	2.63	41.17
1838	2.25	2.20	2.09	1.53	7.45	7.60	1.72	4.91	4.46	3.32	3.55	0.95	42.03
1839	2.17	1.57	1.52	4.75	3.83	5.12	5.77	1.24	2.75	1.35	2.95	5.09	38.11
1840	2.16	2.44	3.99	5.23	2.28	3.47	3.40	4.77	5.76	4.81	3.13	2.94	44.38
1841	4.19	2.12	3.15	3.75	2.24	2.10	1.56	4.27	5.65	1.34	3.34	4.14	37.85
1842	1.15	3.21	2.69	4.90	1.44	4.44	3.42	4.15	6.40	4.22	4.76	5.21	45.99
1843	2.13	3.21	7.37	4.25	2.07	5.54	4.42	6.05	2.19	5.72	3.04	2.36	48.35

RAINFALL AT ALBANY, N. Y.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1844	1.89	1.61	2.82	0.92	5.94	4.60	3.29	2.58	2.23	3.61	2.47	3.04	35.00
1845	3.93	2.94	3.75	2.38	3.92	3.42	2.51	2.42	3.87	2.56	4.42	3.33	39.45
1846	3.03	3.72	3.34	0.74	3.45	3.84	5.58	2.07	2.22	3.53	5.37	2.96	39.85
1847	2.54	3.80	4.39	2.79	2.25	5.06	5.47	1.94	3.56	3.08	2.19	4.31	41.38
1848	2.07	2.37	2.78	1.08	8.11	4.72	7.92	3.79	3.22	4.31	2.61	5.24	48.22
1849	0.76	1.25	2.86	0.75	5.40	4.45	0.70	4.83	1.06	8.04	4.51	2.11	36.72
1850	2.81	2.16	1.96	3.76	6.01	5.72	8.57	2.50	6.56	4.31	2.20	4.41	50.97
1851	0.78	4.38	0.94	4.14	2.61	4.57	3.48	2.17	1.27	2.93	5.10	2.29	34.66
1852	2.16	1.46	3.13	3.85	2.64	1.71	3.36	2.60	1.50	2.38	4.20	2.80	31.79
1853	2.09	3.68	2.35	3.80	7.16	3.48	3.31	5.12	7.67	2.65	3.33	1.15	45.79
1854	2.62	2.95	2.43	6.82	1.79	2.96	3.35	0.62	3.87	1.85	3.00	1.84	34.10
1855	3.29	1.09	0.54	2.65	1.83	6.84	3.95	3.75	2.52	8.93	3.27	3.82	42.48
1856	1.10	0.36	1.83	1.48	5.94	3.62	1.33	10.14	4.89	2.35	2.56	3.50	39.10
1857	2.08	2.18	1.25	7.00	4.45	4.91	5.45	3.74	1.53	4.31	1.92	3.04	41.86
1858	2.32	1.15	1.99	2.42	3.49	3.31	6.94	2.90	2.44	1.76	3.02	2.32	34.06
1859	1.90	1.94	1.79	2.72	1.74	5.21	3.17	3.19	4.72	1.30	2.19	2.14	32.01
1860	0.08	1.50	0.60	1.18	1.68	3.48	4.55	6.09	5.17	2.32	3.43	2.17	32.25
1861	3.49	2.28	4.11	0.86	3.50	1.46	6.04	4.15	3.14	3.23	2.29	1.50	36.05
1862	5.24	2.06	3.05	1.96	1.16	8.70	3.62	2.84	1.08	3.62	3.16	1.33	37.82
1863	4.81	2.62	3.65	1.48	4.76	1.37	7.83	3.60	1.76	2.57	5.12	3.64	43.21
1864	1.49	0.75	2.21	2.71	2.57	0.80	1.48	4.91	2.14	2.55	2.88	3.45	27.94
1865	2.46	1.94	4.48	2.48	5.39	3.04	3.70	1.08	2.78	4.33	2.72	2.04	36.44
1866	1.11	2.49	1.32	1.46	2.17	4.51	4.18	2.73	5.65	1.87	3.22	3.56	34.27
1867	1.55	2.48	2.43	2.68	6.28	4.57	3.18	7.28	1.56	3.69	1.31	1.03	38.04
1868	3.15	0.68	1.82	4.01	7.03	3.64	1.61	3.62	7.11	1.91	5.45	1.85	41.88
1869	3.28	3.23	2.49	2.19	4.57	1.39	2.89	2.89	3.35	13.48	1.56	2.88	44.20
1870	5.38	5.19	3.84	2.70	1.78	7.48	7.19	8.47	5.02	4.05	3.06	1.65	55.81
1871	2.30	2.00	7.29	3.79	4.97	7.25	9.37	10.59	0.85	3.34	3.38	1.65	56.78
1872	0.78	1.74	2.70	1.81	4.79	4.68	5.60	4.84	2.55	4.68	2.77	2.18	39.12
1873	3.32	2.11	3.65	1.99	1.98	0.99	5.97	2.27	4.78	5.57	3.75	3.03	39.41
1874	3.61	2.90	1.97	4.97	2.32	4.71	6.78	1.94	4.01	1.77	2.19	0.76	37.93
1875	2.14	1.65	3.27	3.63	2.57	3.98	2.46	6.55	2.63	5.97	2.29	1.11	38.25
1876	1.57	4.09	4.28	3.51	2.96	4.40	4.97	0.53	5.17	1.64	2.65	2.42	38.19
1877	1.95	0.36	3.33	1.42	2.77	4.60	4.00	4.57	1.82	7.86	2.70	0.71	36.09
1878	4.45	4.12	2.18	3.99	3.65	4.54	5.52	3.76	3.20	3.37	4.43	6.16	49.37
1879	2.54	2.80	3.79	3.17	0.89	4.62	5.10	4.25	3.47	1.24	2.56	4.23	38.66
1880	2.96	2.67	2.17	2.75	3.35	2.21	3.78	2.84	2.86	2.45	2.49	2.01	32.54
1881	2.86	2.50	3.80	1.34	3.90	3.76	2.22	2.07	2.38	3.19	3.44	4.88	36.34
1882	2.64	3.31	1.79	1.27	4.15	3.98	3.97	1.38	7.79	0.27	0.97	2.24	33.76
1883	2.43	3.00	1.77	2.65	3.20	6.30	5.96	3.60	3.19	3.49	1.14	2.55	39.37
1884	2.98	3.85	4.00	2.09	2.79	1.80	5.04	5.27	1.80	2.64	3.44	3.20	38.90
1885	3.09	1.38	0.62	2.89	1.92	1.98	1.98	7.58	2.00	5.54	3.90	1.50	34.38
1886	3.66	1.40	2.73	3.67	3.40	3.19	2.56	0.87	2.51	2.43	5.40	2.19	34.01
1887	3.02	2.86	2.90	2.49	2.27	2.99	4.61	4.61	1.94	2.22	4.36	5.43	39.70
1888	3.04	2.07	5.62	1.95	2.98	3.18	2.52	4.74	4.68	6.10	4.48	3.30	44.66
1889	2.82	1.81	1.76	1.25	3.32	6.43	4.19	3.63	3.68	3.48	5.00	2.14	39.51
1890	2.28	2.52	3.72	1.64	5.19	2.72	2.37	5.66	8.91	5.76	1.18	2.94	44.89
1891	6.12	4.14	3.12	2.27	1.69	2.65	6.11	5.88	1.94	2.13	2.40	3.23	41.68
1892	4.08	2.13	1.64	0.56	5.30	4.41	4.22	6.70	2.08	0.60	2.29	0.82	34.83
1893	1.31	4.63	2.00	2.10	5.08	2.92	1.82	7.21	3.20	1.67	0.91	2.54	35.39

RAINFALL AT ALBANY, N. Y. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1894	2.54	2.61	0.85	2.02	4.64	3.29	2.96	2.24	4.18	4.62	1.96	3.18	35.09
1895	1.65	1.63	1.31	3.09	1.72	1.72	4.02	3.14	1.80	2.35	4.78	2.59	29.80
1896	0.98	4.03	4.66	0.98	1.55	2.49	3.57	2.25	3.31	1.53	1.80	0.73	27.88
1897	1.62	2.05	1.85	1.24	4.69	4.45	6.67	4.43	1.50	1.01	4.65	4.38	38.54
1898	2.96	3.57	1.08	2.63	4.07	5.58	1.07	6.67	1.61	4.29	4.22	1.02	38.77
1899	2.50	2.92	3.97	1.03	2.23	1.61	2.69	1.77	6.33	0.85	1.47	1.55	28.92
1900	2.33	2.84	4.62	1.31	1.36	3.54	3.41	2.83	0.74	1.83	3.95	1.80	30.56
1901	1.59	0.56	4.14	4.66	4.79	3.14	4.26	4.51	2.96	2.48	2.02	5.42	40.53
1902	0.67	3.04	3.24	2.33	1.91	3.91	5.37	3.98	4.15	2.80	0.95	5.13	37.48
1903	1.83	2.05	3.55	0.79	0.15	6.44	3.51	5.14	1.30	6.09	1.65	1.59	34.09
1904	2.51	1.17	1.94	2.87	2.16	5.48	2.96	2.78	3.88	3.09	0.64	1.78	31.26
1905	2.66	0.80	2.43	2.12	0.96	3.58	2.00	3.83	3.37	2.38	1.49	1.36	26.98
1906	0.97	2.09	2.54	2.20	3.90	5.80	3.91	2.49	1.57	2.62	2.46	1.96	32.51
1907	1.71	1.15	0.87	2.33	3.21	3.29	4.14	0.74	5.81	3.71	4.15	2.52	33.63
1908	1.36	2.77	1.43	2.62	4.26	2.32	5.33	3.63	0.64	2.07	0.40	1.58	28.41
1909	3.00	4.00	2.11	2.12	2.72	2.74	1.74	2.54	2.88	0.83	1.04	2.36	28.08
1910	4.13	3.29	0.52	4.19	3.49	2.40	1.28	1.38	3.21	0.87	2.74	1.01	28.51
1911	1.56	1.02	2.51	1.15	2.15	4.27	3.16	4.53	2.86	5.00	1.51	2.38	32.10
1912	1.10	1.56	3.71	3.31	4.48	0.98	3.13	3.00	3.01	3.37	2.08	2.39	32.12
1913	2.20	1 64	4.22	1.38	3.29	1.71	1.82	1.14	1.79	4.12	1.48	1.60	26.39
Av.	2.59	2.44	2.75	2.64	3.50	3.95	4.04	3.77	3.33	3.41	2.93	2.63	37.98

RAINFALL AT COOPERSTOWN, N. Y. Elevation, 1,250 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1854	2.10	3.46	3.33	7.12	3.11	2.85	2.25	1.43	4.13	3.11	2.71	2.30	37.90
1855	3.34	1.23	0.61	4.15	2.20	9.76	4.84	6.78	2.24	5.28	3.56	4.13	48.12
1856	1.12	0.60	1.54	3.42	4.44	2.19	2.82	9.46	3.45	0.88	2.00	2.65	34.57
1857	2.36	2.15	1.83	5.53	5.63	7.80	5.20	6.79	2.45	6.65	2.29	3.32	52.00
1858	1.77	1.66	0.97	2.66	4.65	8.08	7.11	3.43	2.43	4.46	5.38	2.82	45.42
1859	2.53	0.94	3.95	4.19	1.92	5.39	4.47	4.65	5.41	1.66	3.18	3.02	41.31
1860	0.32	0.71	1.05	1.55	1.83	3.15	6.89	7.07	2.69	2.80	4.22	1.45	33.73
1861	2.00	1.30	2.71	3.92	3.14	1.97	7.36	4.64	3.57	5.16	3.13	1.78	40.68
1862	3.66	1.73	3.80	1.90	1.40	6.13	3.37	3.28	2.39	4.80	4.17	1.34	37.97
1863	4.04	2.32	2.92	0.92	6.28	3.43	7.92	5.86	4.33	1.74	3.59	3.94	47.29
1864	1.68	0.85	2.29	2.19	3.40	1.00	1.79	5.81	2.86	2.39	2.37	3.27	29.90
1865	2.23	1.60	3.45	2.19	4.92	2.39	3.70	1.02	4.86	3.80	3.34	1.94	35.44
1866	0.97	3.45	1.70	1.02	2.00	4.27	3.57	2.24	5.04	1.32	4.25	2.50	32.33
1867	0.85	3.45	1.70	3.54	7.38	2.15	3.35	5.40	3.36	3.68	1.52	1.63	38.01
1868	2.24	0.93	2.74	2.43	5.76	4.94	0.89	2.47	5.74	2.10	5.28	1.91	37.43
1869	4.31	2.67	2.88	3.68	5.49	4.31	4.57	3.02	3.31	6.10	1.91	3.69	45.94
1870	4.17	3.72	2.53	2.36	1.94	0.95	4.14	2.74	2.76	3.80	1.92	1.96	32.99
1871	1.14	1.94	5.29	2.66	3.18	5.24	4.64	4.50	1.17	1.97	2.68	1.76	36.17
1872	0.52	1.58	0.80	1.17	4.16	7.31	5.84	4.45	3.32	3.62	1.98	2.17	36.92
1873	3.01	1.67	4.00	3.09	1.65	1.94	5.26	5.52	3.41	5.62	4.16	2.86	42.19
1874	3.70	3.30	1.35	4.10	1.68	7.00	5.34	1.06	2.25	2.60	2.85	1.27	36.50
1875	2.16	1.19	3.19	2.55	2.36	5.24	3.24	5.85	2.52	4.96	3.00	1.48	37.74
1876	2.11	4.13	3.36	1.68	1.97	4.93	5.13	0.63	5.79	1.73	1.45	2.26	35.17
1877	2.58	0.63	3.37	1.77	1.27	4.71	6.78	2.84	1.92	4.42	3.22	0.97	34.48
1878	3.33	1.80	2.87	2.47	4.20	4.25	3.57	2.93	3.29	3.29	3.18	3.80	38.98

RAINFALL AT COOPERSTOWN, N. Y.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1879	2.35	2.91	2.01	3.48	0.36	4.16	2.85	1.43	2.12	1.26	3.00	4.26	30.19
1880	4.26	2.26	1.71	2.76	3.32	2.78	4.49	2.78	3.17	2.42	3.02	1.23	34.20
1881	2.54	1.53	3.05	0.98	3.00	3.59	3.07	0.72	1.43	4.89	3.24	6.02	34.06
1882	2.67	3.17	2.48	1.30	3.98	4.88	2.44	0.91	3.68	1.48	1.79	2.02	30.80
1883	1.49	3.74	1.69	1.68	3.15	4.62	4.77	3.21	5.05	2.96	1.76	1.93	36.05
1884	3.17	3.16	4.48	1.20	3.97	2.16	3.01	2.46	1.29	3.31	2.86	4.00	35.07
1885	3.00	2.46	0.55	1.94	3.39	3.59	3.00	9.08	1.96	4.19	3.05	2.15	38.36
1886	1.83	1.86	2.92	1.86	2.50	3.01	3.02	2.56	4.12	2.54	4.72	2.00	32.94
1887	3.23	5.21	4.32	2.42	2.83	2.56	2.85	3.34	1.42	1.19	3.15	3.43	35.95
1888	2.47	1.58	3.34	3.05	2.76	4.32	1.52	4.95	3.97	4.09	3.09	3.30	38.44
1889	2.22	1.79	1.76	2.93	3.96	5.95	5.61	2.13	3.87	2.17	3.50	2.68	38.57
1890	4.39	2.91	4.17	2.86	8.84	4.89	3.39	6.01	7.24	5.91	3.17	4.33	58.11
1891	5.54	4.76	2.60	2.22	2.16	1.98	5.02	4.26	1.41	3.01	3.15	4.96	41.07
1892	4.99	2.23	3.43	1.38	7.82	4.86	7.80	7.96	3.57	1.79	3.19	1.53	50.55
1893	1.89	4.99	2.13	2.96	6.74	2.20	4.85	7.59	4.03	1.27	2.20	4.02	44.87
1894	2.84	2.00	1.92	2.54	5.29	2.62	3.41	1.88	5.55	4.73	2.72	2.33	37.83
1895	2.34	1.43	1.93	2.89	2.44	2.18	3.80	7.15	2.86	2.17	3.65	3.89	36.73
1896	1.48	5.36	4.74	1.25	2.33	4.70	4.60	3.49	4.33	2.23	3.56	1.21	39.28
1897	1.72	2.06	3.31	3.65	5.21	5.22	4.86	6.60	3.40	0.64	5.21	4.64	46.52
1898	4.90	2.93	2.14	4.00	4.70	3.80	3.02	9.75	4.20	5.36	4.64	2.44	51.88
1899	2.22	2.31	6.04	1.87	4.52	2.85	3.92	2.72	3.17	2.25	1.93	4.10	37.90
1900	3.08	5.59	2.91	1.94	1.98	3.03	6.61	4.62	1.92	2.57	4.62	2.59	41.46
1901	2.47	1.12	3.00	4.73	4.94	3.65	6.79	5.96	3.08	2.48	2.74	4.85	45.81
1902	1.04	2.89	3.70	3.10	2.76	5.43	9.17	3.05	4.39	4.00	1.48	4.30	45.31
1903	3.30	3.61	5.84	1.57	0.17	7.35	5.52	7.26	1.64	8.32	2.21	2.66	49.45
1904	4.29	3.00	3.06	2.84	2.40	4.00	4.74	4.55	4.08	3.49	1.18	2.49	40.12
1905	3.11	2.04	2.48	3.09	3.35	6.58	6.31	4.91	4.54	3.49	2.71	3.15	45.76
1906	2.34	2.55	4.62	2.83	7.35	6.47	3.44	6.48	2.28	3.63	3.01	3.85	48.85
1907	3.04	1.30	1.87	4.67	2.62	3.92	6.33	1.70	8.07	4.86	4.01	4.19	46.58
1908	2.31	4.32	2.72	3.98	5.50	2.27	5.50	2.77	1.63	3.29	1.22	3.34	38.85
1909	4.14	5.66	2.91	3.29	4.96	3.74	5.65	3.87	2.98	2.56	1.90	2.56	44.22
1910	5.23	6.68	1.23	4.27	5.05	4.24	2.04	2.34	6.82	1.32	2.73	1.88	43.83
1911	2.88	2.50	3.15	1.47	2.77	5.74	3.03	7.39	4.06	4.95	3.33	2.92	44.19
1912	1.93	2.71	4.41	3.81	2.99	1.44	3.93	6.09	7.85	4.93	3.98	3.05	47.12
1913	4.46	2.14	3.60	1.65	4.11	2.55	2.31	2.86	2.73	5.12	3.69	2.37	37.59
Av.	2.72	2.60	2.84	2.74	3.67	4.14	4.45	4.31	3.54	3.38	3.05	2.85	40.29

RAINFALL AT CORTLAND, N. Y. Elevation, 1,129 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1851	1.30	5.77	1.94	4.22	5.41	4.94	5.51	2.67	2.09	2.16	2.60	3.01	41.62
1852	2.08	1.89	3.38	3.67	4.71	3.78	7.52	3.40	3.09	4.30	4.56	3.98	46.36
1853	2.57	4.49	2.90	4.41	4.69	3.94	2.28	3.59	4.72	4.56	3.15	1.76	43.06
1854	2.60	4.46	3.34	5.84	2.33	3.31	2.19	2.19	3.91	3.73	3.07	3.13	40.10
1855	4.23	2.20	1.43	5.35	4.01	8.69	6.27	2.80	2.67	4.11	3.39	3.91	49.06
1856	2.07	1.02	1.99	2.85	4.06	3.41	3.85	3.65	4.17	2.08	2.98	2.30	34.43
1857	3.02	2.05	2.58	6.78	4.38	12.55	2.39	5.40	4.45	4.88	3.48	3.29	55.25
1858	2.35	2.22	1.17	2.70	5.01	3.28	5.09	3.69	3.62	3.33	3.93	4.93	41.32
1859	2.94	1.82	4.71	5.54	3.85	5.54	5.07	5.49	5.12	1.65	3.77	4.06	49.56
1860	1.38	1.04	4.01	2.70	3.53	5.56	6.43	4.66	4.13	3.46	3.75	2.42	43.07

RAINFALL AT CORTLAND, N. Y. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1861	2.86	3.30	3.01	4.99	5.02	5.88	1.79	5.36	6.56	5.47	2.32	1.95	48.51
1862	4.01	2.92	4.92	1.78	1.79	4.64	7.00	2.58	1.52	6.73	3.34	2.81	44.04
1863	...	...	...	...	...	...	...	...	...	...	...	...	...
....	...	...	...	...	...	...	...	...	...	...	...	...	...
....	...	...	...	...	...	...	...	...	...	...	...	...	...
1893	1.54	2.90	2.22	3.12	6.29	1.45	4.75	4.37	4.17	3.73	1.94	2.35	38.83
1894	2.75	2.01	1.59	2.75	6.31	4.60	2.53	1.45	4.44	4.39	1.98	1.70	36.50
1895	2.95	0.97	1.36	1.62	2.60	2.91	5.55	5.55	2.36	0.85	3.05	3.86	33.63
1896	1.86	4.50	4.54	0.93	2.73	3.44	4.36	2.15	3.70	3.32	3.17	2.32	37.02
1897	2.68	1.11	1.55	0.68	4.33	3.81	4.46	2.07	3.13	0.71	3.55	3.00	31.08
1898	4.74	2.39	2.07	3.43	4.96	2.80	3.14	9.44	3.46	6.27	3.10	2.61	48.41
1899	1.88	0.69	1.83	0.56	2.50	2.25	4.69	2.64	2.40	2.99	2.99	3.98	29.40
1900	3.28	1.84	1.49	1.56	1.17	2.40	4.78	1.92	2.00	4.59	7.17	2.54	34.74
1901	1.22	1.44	2.76	3.21	3.25	2.96	3.49	3.83	2.90	1.02	3.47	6.41	35.96
1902	1.25	1.35	3.20	1.21	2.79	5.03	10.12	3.68	2.51	3.59	1.07	4.78	40.58
1903	1.70	1.71	5.13	1.12	0.30	6.12	3.99	8.21	2.07	11.47	2.24	1.62	45.68
1904	3.62	2.10	2.85	3.50	4.03	2.57	7.55	4.50	5.02	3.29	0.84	2.68	42.55
1905	3.26	0.96	3.28	2.63	2.26	5.82	2.85	4.34	3.09	4.28	2.36	3.56	38.69
1906	1.57	1.06	2.98	1.67	5.73	2.92	5.58	4.18	2.20	3.97	2.25	3.99	38.10
1907	3.50	2.21	1.26	2.49	3.39	1.48	5.64	0.37	4.41	4.53	2.86	3.03	35.17
1908	1.67	3.14	2.66	2.59	5.49	3.57	3.87	1.39	1.02	2.33	1.47	1.80	31.00
1909	2.91	4.04	2.40	3.17	2.39	3.14	2.62	2.15	3.45	2.96	1.54	1.61	32.38
1910	3.55	3.36	0.60	2.52	4.14	1.62	2.27	1.59	4.99	1.79	3.26	2.39	32.08
1911	2.42	2.93	2.10	1.62	2.20	3.79	3.00	3.69	3.26	4.11	2.56	2.85	34.53
1912	1.92	2.19	2.78	3.49	3.38	1.72	2.97	5.31	5.66	2.06	3.57	2.22	37.27
1913	4.47	1.91	4.61	1.60	3.58	2.21	1.72	2.13	2.35	3.43	3.06	2.59	33.66
Av.	2.61	2.36	2.69	2.92	3.72	4.00	4.40	3.65	3.47	3.70	2.97	3.01	39.50

RAINFALL AT BOYD'S CORNER RESERVOIR, (CROTON WATERSHED), N. Y.
Elevation 600 feet.

(New York Water Supply.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1868	2.90	1.38	2.55	3.87	8.79	4.53	2.13	6.98	9.33	0.87	4.65	2.35	50.33
1869	3.79	3.64	5.48	2.11	4.52	3.59	2.26	1.92	3.20	9.46	2.43	5.96	48.36
1870	4.51	6.40	3.80	5.45	2.30	2.06	3.43	5.10	2.85	4.73	2.51	1.49	44.63
1871	3.80	3.81	4.27	3.01	3.45	5.73	5.07	5.24	1.44	6.18	4.35	2.59	48.94
1872	1.44	1.22	2.59	3.04	3.69	4.00	4.34	5.99	3.69	2.15	4.91	3.68	40.74
1873	5.66	3.09	3.08	3.77	2.91	0.71	2.21	5.73	3.73	5.13	3.72	4.13	43.87
1874	6.96	2.78	1.57	6.31	1.99	3.57	5.98	2.75	3.56	2.40	2.72	1.78	42.37
1875	2.74	3.47	4.99	3.04	1.08	3.02	3.10	10.33	2.11	3.61	4.61	1.56	43.66
1876	1.42	4.91	6.33	4.43	3.99	2.52	3.42	1.20	5.21	1.50	3.40	2.35	40.68
1877	2 68	0.80	7.66	2.35	0.85	4.95	4.65	2.54	1.49	8.38	8.16	1.52	46.03
1878	4.49	3.65	3.10	2.85	4.97	4.65	4.28	2.66	6.61	3.78	4.36	8.74	54.14
1879	2.52	2.85	4.96	5.10	2.45	5.53	5.95	5.83	3.43	0.95	3.47	4.26	47.30
1880	3.73	3.32	3.79	3.99	1.07	1.25	5.79	3.60	2.69	3.25	2.97	2.49	37.94
1881	4.19	5.28	6.14	1.67	5.11	4.35	2.66	1.66	0.75	3.75	4.50	6.02	46.08
1882	4.49	5.97	4.92	1.42	6.30	3.04	3.66	3.92	14.41	3.36	1.66	2.68	55.83
1883	2.98	5.21	1.87	3.91	2.86	5.63	4.29	2.10	2.52	7.03	1.72	3.45	43.57
1884	5.15	6.23	4.82	2.96	4.33	1.95	6.86	5.38	0.96	3.65	4.37	7.34	54.00
1885	5.59	4.66	1.26	2.09	2.44	1.19	5.26	7 35	1.09	5.13	5.99	3.78	45.83

RAINFALL AT BOYD'S CORNER RESERVOIR (CROTON WATERSHED), N. Y.
Continued.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	5.99	4.87	3.86	3.52	4.54	3.39	4.76	3.21	2.30	2.28	5.57	4.29	48.58
1887	5.68	5.95	3.60	3.47	0.32	7.70	13.55	6.85	1.90	3.12	2.69	6.71	61.54
1888	5.56	5.07	6.44	2.68	6.17	2.19	2.24	6.87	10.77	4.80	4.49	6.13	63.41
1889	5.14	2.33	1.86	4.42	3.22	4.76	7.49	2.90	6.13	5.09	8.01	2.94	54.29
1890	1.97	4.94	5.66	3.03	5.74	3.56	5.46	4.70	6.86	7.63	1.12	3.69	54.36
1891	9.76	6.00	3.36	3.77	1.36	1.81	3.03	5.61	1.87	2.21	3.86	5.65	48.29
1892	5.95	1.22	3.92	1.08	5.74	3.84	5.05	6.13	2.65	0.92	7.85	1.15	45.50
1893	4.03	8.05	4.52	3.55	8.81	2.44	2.38	7.06	2.65	6.42	3.32	5.34	58 57
1894	3.40	4.99	1.62	3.11	6.90	1.59	1.75	1.45	7.69	5.99	4.12	4.43	47.04
1895	4.85	1.85	1.88	5.63	2.29	1.94	3.80	3.10	1.06	3.55	2.98	4.85	37.78
1896	1.09	8.41	8.30	1.48	3.48	3.47	3.98	4.60	6.54	2.21	3.96	2.72	50.24
1897	4.07	3.14	3.68	2.78	5.56	3.41	12.51	5.63	1.74	2.01	6.31	6.56	57.40
1898	5.89	5.21	2.64	3.74	7.37	1.50	4.78	7.66	2.17	4.84	6.81	3.17	55.78
1899	3.37	5.54	7.56	1.99	1.80	5.38	5.99	0.48	8.86	1.48	2.05	2.75	47.25
1900	4.18	7.97	5.03	2.21	6.40	2.19	4.28	1.75	3.27	4.73	4.91	2.58	49.50
1901	1.69	0.94	7.54	8.48	7.91	1.46	7.08	8.21	4.72	3.26	1.99	9.53	62.81
1902	2.77	4.67	7.49	4.57	3.31	4.68	3.77	2.91	6.07	5.95	0.91	7.39	54.49
1903	4.52	5.73	6.30	2.68	1.25	11.81	3.54	9.08	2.61	8.59	2.48	4.67	63.26
1904	4.52	3.22	3.77	4.23	4.99	2.40	6.73	5.16	7.21	4.00	1.78	3.48	51.49
1905	6.54	1.76	3.98	2.74	1.05	4.87	3.73	5.09	5.62	3.25	2.63	4.04	45.30
1906	2.55	2.64	7.05	5.33	4.32	4.14	8.03	3.06	1.94	4.39	1.38	3.84	48.67
1907	4.10	2.61	2.06	4.29	4.35	5.64	1.64	1.96	9.77	8.49	5.87	5.66	56.44
1908	3.97	6.27	3.53	3.23	6.20	2.22	2.50	4.59	1.04	2.09	0.90	3.57	40.11
1909	4.78	6.04	4.57	6.77	2.39	3.85	3.17	7.55	4.31	1.23	2.83	4.06	51.55
1910	7.42	5.13	0.64	5.59	3.41	4.38	2.46	3.03	2.37	0.99	3.97	2.97	42.36
1911	2.83	2.83	4.69	3.76	3.17	3.56	2.60	9.71	4.19	7.69	4.19	3.67	52.89
1912	2.05	3.15	7.64	4.85	6.38	1.29	2.97	4.92	3.12	4.85	4.61	4.46	50.29
1913	4.14	2.29	8.30	5.50	3.11	0.93	2.21	4.17	4.99	9.61	2.87	3.05	51.17
Av.	4.17	4.16	4.45	3.69	4.01	3.54	4.50	4.52	4.21	4.50	3.80	4.12	49.67

RAINFALL AT MIDDLE BRANCH RESERVOIR (CROTON WATERSHED), N. Y.
Elevation, 400 feet.
(New York Water Supply.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1878	5.03	3.56	3.07	3.18	4.72	4.33	3.98	4.55	8.56	3.51	4.46	6.94	55.89
1879	2.24	2.57	3.86	4.80	2.02	5.29	6.12	6.69	3.42	0.57	2.63	4.06	44.27
1880	3.44	3.47	3.70	3.44	1.00	1.46	5.62	4.05	2.16	2.56	1.85	2.44	35.19
1881	5.06	4.65	5.50	1.20	3.89	4.62	2.63	2.82	0.94	2.94	5.53	5.92	45.70
1882	4.69	5.94	3.75	1.31	5.51	2.33	2.77	2.35	13.43	2.79	1.49	2.15	48.51
1883	2.88	4.79	1.56	2.89	2.39	3.50	4.22	3.08	2.80	6.06	1.73	3.32	39.22
1884	4.78	5.27	3.77	2.73	3.70	2.54	6.43	7.36	0.95	3.23	3.86	5.93	50.55
1885	5.02	4.44	1.14	2.12	1.85	1.18	4.95	6.52	1.19	4.70	5.76	2.41	41.28
1886	5.23	4.22	3.86	3.65	4.59	3.08	5.68	2.92	2.69	1.95	5.29	4.02	47.18
1887	5.65	6.30	3.73	2.90	0.30	6.25	11.12	7.56	1.81	3.79	2.61	5.09	57.11
1888	5.24	5.15	6.69	2.53	5.77	1.97	2.40	6.58	10.05	4.89	4.20	5.89	61.36
1889	4.84	2.22	1.54	4.23	3.17	3.67	11.71	3.43	7.14	3.35	8.73	3.25	57.28
1890	2.73	4.55	6.01	3.72	5.92	4.63	5.08	3.91	7.32	6.49	1.09	4.41	55.86
1891	8.88	6.00	3.42	2.76	1.49	2.30	4.57	5.31	2.00	2.47	3.36	5.51	48.07
1892	6.43	1.07	3.71	1 04	5.84	3.19	6.06	5.93	2.04	0.94	6.93	1.06	44.24

RAINFALL AT MIDDLE BRANCH RESERVOIR (CROTON WATERSHED), N. Y.
Continued.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1893	3.21	7.86	4.37	3.02	7.90	2.08	2.56	7.35	2.24	5.32	3.25	5.11	54.27
1894	3.33	4.54	2.02	2.84	5.49	1.51	3.46	5.80	6.16	5.97	4.67	4.30	50.09
1895	4.91	2.10	2.35	4.42	2.41	2.82	4.48	4.72	0.78	3.74	5.06	4.12	41.91
1896	1.30	7.18	6.80	1.13	2.93	4.00	4.28	3.74	5.17	2.39	3.38	1.93	44.23
1897	3.53	2.66	3.49	3.05	6.03	3.18	11.15	5.21	1.79	0.93	5.72	4.78	51.52
1898	4.60	4.18	2.89	3.50	7.89	1.39	3.52	13.94	2.23	4.63	6.34	3.17	58.28
1899	3.78	5.84	6.46	1.58	2.10	5.52	6.17	0.32	7.10	1.29	1.82	2.37	44.35
1900	3.73	7.77	4.52	1.87	6.45	2.15	3.88	3.18	3.52	4.50	5.98	2.47	50.02
1901	1.78	0.79	6.94	7.61	6.78	2.09	8.80	7.98	5.88	5.21	1.65	8.69	64.20
1902	3.12	3.60	7.01	4.68	3.30	5.33	4.37	3.23	6.73	6.55	1.25	7.34	56.51
1903	4.63	4.96	5.19	2.69	1.16	11.35	2.45	6.88	2.67	6.90	2.89	3.68	55.45
1904	3.73	3.10	3.83	4.03	4.45	2.25	5.32	6.43	4.64	3.63	1.89	3.37	46.67
1905	6.53	1.84	4.27	3.22	1.08	6.78	2.62	5.43	3.51	3.14	2.33	3.57	44.32
1906	2.44	2.93	6.36	4.11	3.95	4.87	5.34	2.74	3.02	4.99	1.58	4.21	46.54
1907	4.70	2.50	2.59	4.04	5.61	4.71	2.14	3.09	10.58	8.97	5.57	5.61	60.11
1908	4.21	5.63	4.08	3.30	6.13	2.26	3.03	6.12	0.83	1.92	1.09	3.32	41.92
1909	4.80	6.50	4.39	7.63	2.71	2.95	2.83	6.61	4.41	1.17	3.54	4.01	51.55
1910	8.09	5.88	0.77	4.04	4.19	4.54	3.24	3.55	2.16	1.20	5.07	2.61	45.34
1911	3.50	2.97	4.44	3.96	3.21	3.43	2.48	9.13	2.72	7.61	4.60	3.67	51.72
1912	1.88	2.66	7.31	3.74	4.92	1.10	3.48	3.98	3.49	3.86	3.82	4.29	44.53
1913	3.56	2.58	5.50	4.91	3.42	1.04	2.23	4.17	4.40	9.76	2.82	2.50	46.89
Av.	4.26	4.23	4.19	3.39	4.01	3.49	4.75	5.18	4.18	4.00	3.72	4.10	49.50

RAINFALL AT OLD CROTON DAM, NEW YORK. Elevation, 200 feet.
(New York Water Supply.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1868	3.23	1.52	3.91	5.47	13.78	7.11	3.65	13.05	20.47	0.63	7.14	2.50	82.46
1869	5.40	5.75	9.51	3.38	6.72	1.19	2.06	1.97	2.64	8.93	7.23	5.74	60.52
1870	3.70	6.37	7.23	4.95	2.71	3.50	2.75	7.71	2.36	7.62	3.74	1.20	53.84
1871	3.80	3.81	4.27	3.01	3.45	5.73	5.07	5.24	1.44	6.18	4.35	2.59	48.94
1872	0.76	1.29	3.57	0.70	3.93	3.65	5.11	7.83	3.17	1.80	4.51	1.80	38.12
1873	2.96	1.40	1.90	3.17	3.02	0.14	4.44	9.91	5.36	4.85	2.16	2.37	41.68
1874	5.98	0.17	0.54	3.49	1.59	2.26	5.96	4.22	4.32	1.90	2.68	0.99	34.10
1875	2.01	3.83	5.87	3.78	1.36	2.78	7.34	13.06	1.76	4.27	6.00	1.86	53.92
1876	1.68	7.92	14.64	3.82	3.87	4.34	6.03	2.51	4.37	2.13	3.39	6.50	61.20
1877	3.22	1.21	8.98	2.72	0.57	5.58	6.48	3.18	1.09	10.69	7.54	1.35	52.61
1878	4.30	5.90	2.87	3.00	4.11	3.13	3.86	2.63	15.86	6.07	6.27	13.28	71.28
1879	4.56	4.98	5.76	4.17	2.74	4.81	5.15	9.29	2.88	0.60	2.99	5.64	53.57
1880	2.96	3.33	4.59	3.28	1.10	1.47	6.56	5.25	2.64	2.86	2.54	3.16	39.74
1881	5.32	6.70	9.73	0.86	2.74	5.27	1.82	2.75	0.41	1.76	5.60	7.54	50.50
1882	8.92	5.27	3.71	1.46	6.44	2.57	3.19	3.82	16.26	2.77	1.71	3.17	59.29
1883	5.27	7.11	2.22	3.94	2.45	3.83	5.80	2.55	2.47	5.53	1.13	4.84	47.14
1884	9.01	8.37	3.31	3.15	3.92	3.30	5.56	8.87	0.34	1.32	5.23	6.58	58.96
1885	6.18	9.19	1.62	2.51	1.87	0.99	4.87	7.33	0.87	5.96	6.43	3.38	51.20
1886	7.79	6.52	4.48	5.09	4.02	3.35	4.46	3.58	1.43	2.51	5.13	3.19	51.55
1887	6.44	7.08	3.59	3.02	0.18	6.80	10.72	4.37	1.47	3.77	2.17	4.99	54.60
1888	4.91	4.63	3.32	2.46	6.73	2.76	2.80	6.49	8.19	4.47	3.33	5.59	55.68
1889	5.15	2.40	1.79	5.48	2.21	3.18	8.39	5.21	5.67	3.39	8.44	2.92	54.23
1890	2.51	3.30	7.19	3.71	5.57	3.75	4.70	4.41	4.58	6.29	0.81	2.78	49.60

RAINFALL AT OLD CROTON DAM, NEW YORK.— *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	8.11	4.58	3.53	2.66	2.30	2.42	4.59	4.21	2.31	2.24	3.31	4.99	45.25
1892	5.96	1.28	2.92	1.28	4.99	4.28	4.92	5.19	2.18	0.77	6.46	1.16	41.39
1893	3.93	5.78	3.[illegible]	[illegible].99	6.31	2.94	3.97	7.36	3.09	4.54	2.99	4.56	52.31
1894	2.48	4.23	1.34	2.23	4.73	2.20	1.73	3.01	6.96	4.33	5.21	3.77	42.22
1895	3.74	1.67	2.00	3.97	1.60	2.05	6.11	3.55	3.16	3.58	4.84	4.72	40.99
1896	0.89	5.94	9.78	1.05	3.02	4.65	6.50	2.81	4.89	1.93	3.70	1.21	46.37
1897	2.90	2.16	3.03	3.10	6.52	2.51	10.99	5.04	2.00	1.49	4.49	3.55	47.78
1898	4.82	4.36	3.66	3.83	8.60	1.54	5.57	9.19	2.17	5.38	5.80	2.40	57.32
1899	4.73	4.19	5.65	1.92	2.13	4.93	6.04	1.57	5.08	1.28	1.85	2.30	41.67
1900	3.90	7.70	3.97	1.95	3.46	2.55	4.16	2.43	2.79	4.32	5.24	2.08	44.55
1901	1.60	0.55	6.37	8.97	6.62	1.47	4.97	12.80	4.75	2.75	1.38	7.74	59.97
1902	3.06	4.28	5.96	3.68	4.47	4.12	4.16	1.73	6.47	5.92	1.10	6.56	51.51
1903	3.65	3.77	4.59	3.46	0.57	9.22	3.07	7.80	3.17	7.61	2.44	4.09	53.44
1904	3.25	2.81	2.29	3.39	3.08	1.62	4.00	8.11	7.56	3.82	2.63	4.00	46.56
1905	7.37	1.67	3.99	2.70	0.55	5.96	3.83	6.41	4.37	3.27	2.14	2.81	45.07
1906	1.90	2.50	5.47	4.88	4.43	3.85	5.10	4.62	3.71	4.82	1.49	5.29	48.06
1907	4.66	4.20	3.51	3.57	5.30	4.92	1.35	1.74	11.85	9.16	6.60	4.88	61.74
1908	4.95	6.45	4.23	3.45	7.60	2.74	2.92	8.68	1.15	2.16	0.75	3.68	48.76
1909	4.67	6.57	5.11	7.51	1.62	3.46	1.93	6.33	4.43	1.20	3.27	4.95	51.05
1910	7.20	5.70	0.78	6.59	3.37	5.35	1.23	2.69	1.98	1.62	5.00	3.19	44.70
1911	3.07	3.30	4.39	4.00	1.91	3.57	2.32	6.67	2.80	6.30	4.59	3.22	46.14
1912	2.65	2.43	7.97	3.56	3.93	1.83	2.50	4.20	3.74	3.26	4.33	5.03	45.43
1913	3.98	2.94	6.18	6.14	3.76	1.14	2.35	3.47	4.34	9.00	2.88	2.97	49.15
Av.	4.34	4.28	4.68	3.55	3.82	3.50	4.59	5.54	4.46	4.07	3.98	3.98	50.79

RAINFALL IN THE VICINITY OF NEW YORK CITY.

1836–1854, Fort Columbus; 1855–1868, Deaf and Dumb Asylum; 1869–1913, Central Park Observatory, elevation 97 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1836	1.09	2.01	1.31	2.66	0.63	6.46	1.44	2.37	3.40	2.00	1.90	2.30	27.57
1837	2.70	3.70	8.20	7.50	9.50	8.50	5.90	6.30	2.10	2.11	2.90	6.10	65.51
1838	3.93	3.70	4.10	2.50	3.99	3.12	1.83	4.79	4.96	3.64	3.10	2.24	41.90
1839	0.69	2.05	2.46	3.35	8.37	4.94	1.35	4.92	3.59	1.45	2.19	7.61	42.97
1840	1.84	1.84	2.92	2.03	2.39	2.40	1.80	4.25	1.84	4.59	2.90	1.00	29.80
1841	5.30	0.80	2.35	3.93	3.95	4.65	4.90	2.50	2.90	4.40	3.70	2.70	42.08
1842	1.07	2.85	1.25	3.60	3.60	3.30	3.80	2.81	2.10	4.30	1.80	3.50	33.98
1843	1.00	2.31	2.13	2.14	1.00	0.76	1.64	15.26	3.06	5.91	2.82	3.34	41.37
1844	2.66	1.03	4.50	0.55	3.41	2.37	6.00	2.73	4.50	4.08	1.73	2.82	36.38
1845	4.87	3.22	3.33	1.22	1.75	3.70	1.75	3.21	2.62	2.50	3.40	2.51	34.08
1846	3.92	3.01	3.82	4.01	9.70	1.39	6.01	3.88	0.48	1.34	8.36	2.99	48.91
1847	4.62	5.74	8.48	1.53	2.18	6.78	1.62	6.93	12.20	2.13	6.29	6.35	64.85
1848	1.75	1.68	2.23	1.16	7.28	4.56	2.64	1.41	1.87	6.61	1.59	4.02	36.80
1849	0.61	2.26	4.87	0.62	3.47	0.78	1.43	4.63	1.55	5.63	1.88	4.01	31.74
1850	5.57	2.64	4.64	2.72	9.20	3.07	3.92	7.21	4.71	3.16	2.33	5.36	54.53
1851	1.46	4.50	1.70	6.94	4.73	0.90	4.72	3.47	1.26	2.95	4.53	3.72	40.88
1852	2.92	3.08	4.43	4.74	2.24	2.11	3.25	6.20	2.29	2.06	6.07	4.45	43.84
1853	4.14	4.98	2.03	3.32	5.80	4.80	4.40	5.50	5.49	3.90	6.80	1.04	52.20
1854	2.60	4.00	0.70	8.80	7.70	2.20	1.90	1.03	1.90	1.80	3.95	8.60	45.18
1855	4.77	5.12	2.83	2.86	4.90	5.83	5.06	2.90	1.51	7.37	3.00	6.86	53.01

RAINFALL IN THE VICINITY OF NEW YORK CITY. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1856	3.98	0.66	2.08	2.72	4.78	3.58	2.79	6.73	5.05	1.18	2.50	4.45	40.50
1857	4.99	1.69	2.32	9.05	6.72	5.43	6.13	3.90	4.26	1.67	1.30	6.42	53.88
1858	3.80	3.30	1.47	4.83	6.00	6.42	4.32	3.15	3.50	4.19	5.99	4.90	51.87
1859	5.78	5.59	8.21	5.10	1.57	4.60	4.76	4.12	6.45	1.75	3.37	4.42	55.72
1860	2.52	3.28	1.60	3.21	4.54	1.43	3.33	3.85	6.24	3.55	7.57	4.05	45.17
1861	4.81	2.45	5.78	5.62	6.03	4.24	2.89	5.52	4.03	3.46	8.09	1.73	54.65
1862	5.60	4.17	4.54	2.14	3.84	9.03	5.85	2.15	2.25	6.86	5.63	1.91	53.97
1863	5.45	7.04	5.77	5.69	4.58	1.43	8.60	4.59	1.05	4.09	3.88	4.86	57.03
1864	2.92	2.04	2.15	3.28	5.23	4.41	3.20	5.19	5.45	2.68	5.16	5.90	47.61
1865	3.40	4.06	8.32	4.14	5.56	10.42	5.21	2.23	4.21	4.94	4.19	6.30	62.98
1866	2.56	10.09	2.28	4.09	4.46	4.38	1.67	4.81	4.85	5.28	3.84	3.92	52.23
1867	2.54	5.53	4.09	2.47	5.70	10.18	5.76	7.68	0.78	5.12	2.25	2.56	54.66
1868	4.00	2.31	3.69	6.42	7.19	4.66	6.44	8.31	9.60	2.01	5.13	4.27	64.03
1869	2.53	6.87	4.61	1.39	4.15	4.40	3.20	1.76	2.81	6.48	2.03	5.02	45.25
1870	4.41	2.83	3.33	5.11	1.83	2.82	3.76	3.07	2.52	4.97	2.42	2.18	39.25
1871	2.07	2.72	5.54	3.03	4.04	7.05	5.57	5.60	2.34	7.50	3.56	2.24	51.26
1872	1.88	1.29	3.74	2.29	2.68	2.93	7.83	6.29	2.95	3.35	4.08	3.18	42.49
1873	5.34	3.80	2.09	4.16	3.69	1.28	4.61	9.56	3.14	2.73	4.63	2.96	47.99
1874	5.33	2.04	2.12	8.77	2.24	2.78	5.06	2.43	8.24	1.70	2.30	2.82	45.83
1875	3.17	2.62	3.48	3.08	1.33	2.72	4.89	8.97	1.89	2.85	3.78	2.12	40.90
1876	0.94	4.81	8.79	3.06	3.03	2.66	3.65	2.28	5.28	1.42	3.31	2.54	41.77
1877	2.62	1.24	5.56	2.73	0.95	2.80	5.73	2.77	1.33	8.14	5.62	0.68	40.17
1878	4.46	3.75	3.27	1.97	3.19	3.08	4.62	7.97	4.05	2.43	4.73	5.14	48.66
1879	2.63	2.02	3.41	4.33	2.02	3.15	3.58	7.95	2.37	0.43	2.20	4.92	39.01
1880	2.14	2.12	4.66	2.90	0.62	1.14	8.52	5.23	1.90	2.70	2.46	2.27	36.66
1881	4.80	4.93	5.81	0.95	3.20	5.35	1.25	0.86	0.97	1.60	2.36	4.18	36.26
1882	5.05	3.43	2.53	1.64	4.20	2.52	3.21	1.14	16.85	1.51	1.24	1.95	45.27
1883	2.68	4.21	1.49	3.71	2.83	3.32	3.21	1.82	3.25	4.53	1.52	3.20	35.77
1884	5.22	4.92	4.62	2.82	3.74	4.98	4.74	7.90	0.21	3.75	3.18	6.17	52.25
1885	3.06	4.56	0.90	2.19	1.86	1.32	3.59	5.67	0.41	5.18	4.17	2.46	35.37
1886	3.91	4.89	2.83	3.85	5.40	3.35	2.75	0.95	1.17	3.07	4.42	2.79	39.38
1887	4.42	5.96	3.07	2.79	0.34	7.76	5.29	3.59	1.93	2.43	2.02	4.39	43.99
1888	4.96	3.49	4.62	2.89	5.62	2.60	1.53	7.66	8.16	4.33	4.04	3.42	53.32
1889	4.97	2.21	2.64	5.47	2.89	2.39	11.89	3.28	6.92	2.61	9.97	1.92	57.16
1890	2.29	3.41	5.50	1.85	3.45	4.67	4.49	4.37	4.63	6.56	0.71	3.70	45.63
1891	6.12	4.12	3.61	2.38	2.45	1.48	3.94	4.51	2.49	2.60	2.30	3.55	39.55
1892	4.69	0.94	3.49	2.02	4.22	2.78	3.21	4.16	1.06	0.59	7.14	1.30	35.60
1893	2.33	6.14	3.54	5.19	4.77	2.59	1.13	8.72	1.92	5.30	3.55	3.08	48.26
1894	2.01	3.93	1.35	2.19	3.73	0.98	2.21	1.17	8.68	5.96	4.15	4.65	41.01
1895	5.01	0.46	2.26	3.31	2.02	2.47	4.54	4.16	0.62	4.21	3.83	2.48	35.37
1896	0.96	6.83	5.28	1.27	2.51	5.72	7.41	1.53	4.74	1.74	2.84	1.13	41.96
1897	3.00	2.52	2.39	2.67	5.77	2.95	9.56	3.77	1.81	0.72	4.52	4.87	44.55
1898	4.26	4.22	2.78	3.25	6.72	1.25	4.41	3.47	1.70	6.05	6.72	3.07	47.90
1899	3.97	3.91	5.77	1.74	1.09	2.26	4.47	3.41	6.12	2.13	1.79	1.91	38.57
1900	4.22	5.38	3.49	2.02	3.72	2.20	3.21	4.52	2.50	3.56	4.36	2.01	41.19
1901	1.66	0.55	5.47	6.62	6.43	1.00	7.64	6.55	2.42	2.35	0.99	7.01	48.69
1902	2.27	5.39	4.84	3.03	1.35	6.48	5.59	4.30	4.31	7.16	1.28	6.77	52.77
1903	4.18	4.70	4.23	3.44	0.30	9.78	3.92	6.73	3.67	13.31	0.97	3.09	58.32
1904	2.97	2.21	3.57	3.80	1.88	2.95	4.95	7.85	4.31	2.99	2.20	1.96	41.64
1905	2.77	2.01	3.49	2.39	0.72	3.77	3.05	4.81	5.84	3.55	1.67	3.37	37.44

RAINFALL IN THE VICINITY OF NEW YORK CITY. — *Concluded.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	2.69	2.47	5.04	5.90	5.53	1.26	4.54	1.43	2.49	4.19	1.06	3.58	40.18
1907	2.89	2.25	3.08	3.78	4.22	3.28	0.89	3.24	8.33	4.78	4.48	4.26	45.48
1908	3.76	5.86	2.38	2.27	8.51	1.27	3.80	6.01	1.91	1.38	0.71	3.19	41.05
1909	3.32	4.53	3.57	6.13	1.47	3.02	2.17	8.50	2.65	0.66	1.36	4.29	41.67
1910	4.64	3.15	1.02	5.00	1.49	6.03	0.49	1.07	1.42	3.23	4.30	1.88	33.72
1911	2.79	3.26	3.33	3.54	1.25	5.67	2.16	9.28	1.70	7.65	5.12	3.07	48.82
1912	2.38	2.73	7.70	3.53	5.40	1.57	2.56	2.75	4.14	4.10	3.53	5.01	45.40
1913	3.43	2.74	6.47	6.27	2.95	1.98	6.06	2.38	7.00	12.97	2.16	3.59	58.00
Av.	3.40	3.48	3.76	3.56	3.89	3.73	4.12	4.61	3.68	3.85	3.54	3.67	45.29

RAINFALL AT PLATTSBURG, N. Y. Elevation, 125 feet.
(1910 and 1911 observations at Harkness, N. Y. Elevation, 622 feet.)

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1869	1.13	3.55	1.10	1.77	2.67	3.02	1.55	2.12	2.13	7.53	1.18	2.50	30.25
1870	2.79	2.34	0.58	0.69	0.39	2.81	1.91	1.31	2.54	2.70	1.29	1.26	20.61
1871	1.13	1.09	3.63	3.98	1.73	1.34	4.65	3.48	1.15	1.95	1.09	2.32	27.54
1872	0.68	1.42	1.17	1.66	2.37	2.85	4.72	5.86	3.27	3.40	2.16	1.59	31.15
1873	3.26	0.36	3.68	2.00	1.26	2.01	4.90	2.02	1.95	5.15	3.94	1.86	32.39
1874	3.69	1.96	1.83	3.60	3.89	2.40	9.18	1.53	4.06	1.24	2.24	1.04	36.66
1875	2.21	1.16	2.55	1.58	2.99	1.86	3.14	3.35	3.18	3.49	1.92	1.13	28.56
1876	1.39	2.51	2.25	1.23	0.80	3.04	1.21	0.37	4.06	1.34	0.76	2.01	20.97
1877	1.71	0.22	1.68	2.08	2.47	1.85	5.07	3.72	2.09	3.68	1.71	0.85	27.13
1878	1.60	0.66	1.61	2.85	2.47	1.31	3.53	7.00	2.44	2.88	3.01	3.33	32.69
1879	0.87	1.01	2.02	0.48	0.18	2.53	2.57	2.81	2.03	0.46	2.86	2.88	20.70
1880	1.75	2.96	1.21	1.27	1.49	2.02	2.00	1.65	2.43	4.54	2.67	0.98	24.97
1881	2.56	1.12	2.36	0.30	2.93	1.27	2.35	2.54	1.99	1.84	1.50	1.76	22.52
1882	1.06	1.96	2.70	0.86	1.70	4.78	7.22	2.01	4.72	1.04	0.54	1.69	30.28
1883	0.90	1.37	1.66	0.68	4.39	4.90	3.40	1.17	2.49	1.81	1.75	0.96	25.48
1884	1.88	1.84	3.49	1.08	2.29	1.60	1.98	2.19	1.69	2.42	2.03	1.26	23.75
1885	2.57	1.33	0.30	1.59	1.56	1.48	4.04	2.10	3.22	4.57	4.39	1.91	29.06
1886	1.15	1.22	1.42	2.06	1.48	4.72	3.77	3.97	2.36	0.76	2.30	0.17	25.38
1887	1.56	1.66	1.78	0.37	0.40	2.26	2.03	2.20	0.51	1.24	3.14	1.76	18.91
1888	0.59	0.20	1.95	1.27	3.20	1.88	1.12	5.23	3.76	2.98	3.90	2.36	28.44
1889	1.75	0.32	0.30	1.70	2.83	4.17	5.62	1.43	4.25	3.34	2.57	2.03	30.31
1890	2.78	2.40	2.68	1.46	4.40	3.35	4.04	5.82	2.87	2.92	2.27	2.45	37.44
1891	2.30	1.66	2.65	2.28	1.97	1.49	3.77	3.55	0.93	2.07	1.67	2.58	26.92
1892	4.30	2.47	1.36	0.97	4.07	7.62	5.21	7.18	1.68	1.12	2.74	1.44	40.16
1893	0.89	1.54	0.68	2.11	3.26	2.42	3.34	5.76	2.12	0.85	1.28	3.92	28.17
1894	2.04	1.37	1.91	1.14	4.14	3.52	2.52	0.89	2.79	3.03	2.82	2.55	28.72
1895	2.07	0.70	0.74	2.79	1.97	3.85	2.15	4.50	2.85	0.45	5.13	2.40	29.60
1896	2.05	6.21	4.95	0.85	1.85	2.80	5.00	5.95	2.85	1.68	2.19	0.87	37.25
1897	2.98	1.43	2.26	2.67	3.41	3.90	7.19	3.93	1.90	0.52	3.58	1.96	35.73
1898	5.26	3.19	1.29	1.95	1.70	2.62	2.09	5.82	3.37	3.70	3.08	2.07	36.14
1899	2.70	0.40	2.90	1.00	2.52	1.85	3.51	5.28	5.71	2.15	2.04	1.29	31.35
1900	3.46	3.16	4.28	0.83	2.38	4.21	1.79	3.24	2.14	1.00	8.82	2.83	38.14
1901	1.75	1.22	1.85	2.82	4.38	3.71	3.18	4.48	3.86	2.00	1.60	1.50	32.35
1902	0.90	1.60	**2.82**	1.80	4.10	3.74	4.30	2.70	1.80	2.95	0.87	2.50	30.08
1903	2.50	1.30	4.15	1.70	0.00	4.45	4.40	4.40	0.10	2.16	0.84	2.90	28.90
1904	2.74	0.50	0.20	2.56	2.25	2.22	3.30	4.73	**5.84**	2.86	**0.52**	0.20	27.92
1905	1.99	1.00	2.73	1.49	2.16	3.12	8.27	5.07	4.48	2.30	1.78	1.69	36.08

RAINFALL AT PLATTSBURG, N. Y. — *Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1906	1.10	1.15	2.25	1.30	2.37	4.03	5.46	1.53	2.34	2.18	2.45	2.19	28.35
1907	1.10	1.03	1.65	2.24	2.95	3.45	2.50	0.90	6.95	2.70	1.23	1.10	27.80
1908	1.67	1.00	2.00	1.26	2.00	1.60	2.20	1.94	1.12	1.39	1.09	1.55	18.82
1909	2.82	2.54	2.89	0.98	0.79	**3.57**	**4.06**	2.19	3.22	0.62	1.45	1.67	26.80
1910	1.50	3.00	0.39	1.27	3.81	2.18	3.25	2.34	1.91	2.31	1.43	1.01	24.40
1911	0.99	1.11	2.03	0.56	0.95	3.21	1.81	2.60	2.75	2.38	1.14	2.02	21.55
1912	0.74	2.03	2.33	2.25	4.81	0.42	3.66	3.49	5.57	2.37	3.76	0.19	31.62
1913	2.06	0.78	3.81	1.82	2.09	1.45	3.78	1.15	2.92	3.94	1.30	0.99	26.09
Av.	1.98	1.62	2.09	1.63	2.40	2.86	3.70	3.28	2.85	2.40	2.27	1.77	28.85

RAINFALL AT SETAUKET, N. Y. Elevation, 40 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1886	3.76	7.08	3.18	4.21	3.13	3.68	7.43	3.00	1.03	4.15	3.43	4.43	48.51
1887	5.33	6.00	4.96	3.95	0.10	6.57	5.30	4.42	2.45	3.76	2.62	3.42	48.88
1888	5.49	3.27	7.32	2.88	4.49	1.69	1.61	5.60	6.44	4.76	4.83	3.08	51.46
1889	6.26	2.19	2.74	3.57	3.83	2.91	6.64	4.16	7.22	4.64	8.03	1.68	53.87
1890	1.87	3.00	6.56	3.40	3.50	2.97	5.25	4.27	6.53	10.20	0.74	5.65	53.94
1891	6.29	6.26	3.84	3.22	1.24	1.84	5.71	3.43	3.18	6.60	2.24	3.40	47.25
1892	4.79	1.40	3.73	1.82	3.65	1.79	3.12	4.76	3.67	0.90	8.22	1.56	39.41
1893	3.09	7.11	5.82	4.95	5.87	0.58	1.88	6.65	2.02	4.00	3.25	3.43	48.65
1894	3.63	4.40	1.34	3.11	4.40	1.17	0.63	2.61	5.26	8.86	6.02	4.60	46.03
1895	5.40	0.91	3.08	3.01	2.09	2.63	3.41	5.02	2.41	3.37	5.40	2.48	39.21
1896	1.48	6.46	4.81	1.02	3.10	4.10	2.74	2.35	3.62	2.87	3.21	1.62	37.38
1897	3.85	2.56	2.80	3.29	5.38	2.82	18.18	5.03	1.20	1.79	5.76	6.60	59.26
1898	4.00	4.82	3.40	4.90	8.30	0.62	7.81	6.56	1.85	7.08	6.28	2.38	58.00
1899	4.71	5.48	8.15	1.54	1.95	3.08	3.10	0.97	5.02	2.75	1.21	1.67	39.63
1900	4.92	5.88	4.77	1.53	5.12	1.38	5.05	5.90	2.31	2.97	4.88	2.63	47.34
1901	1.96	0.69	5.61	8.23	7.25	1.12	3.42	6.02	3.55	2.76	1.94	9.43	51.98
1902	1.95	5.47	5.85	3.26	0.98	5.09	2.41	0.85	6.63	7.32	1.63	7.46	48.90
1903	3.83	4.79	7.35	3.61	0.50	7.84	2.26	6.28	2.61	3.66	1.32	4.26	48.31
1904	3.84	2.93	3.35	6.26	2.83	2.40	3.60	7.51	3.78	3.10	2.08	3.63	45.31
1905	3.10	2.40	3.47	3.00	1.30	3.54	4.31	3.75	5.14	2.54	1.95	4.48	38.98
1906	3.56	2.57	5.03	3.57	4.53	3.19	8.62	4.73	1.07	9.20	1.87	4.07	52.01
1907	3.74	3.09	2.75	3.18	5.25	2.77	1.07	1.41	7.31	4.01	6.61	5.53	46.72
1908	4.13	5.74	2.82	2.61	4.93	0.88	1.84	7.39	1.38	1.38	0.88	3.78	37.76
1909	3.17	4.70	4.02	6.11	1.78	1.55	2.44	4.88	3.96	2.10	2.12	4.33	41.16
1910	7.62	2.96	1.56	2.85	2.89	3.51	0.78	0.89	1.18	1.59	4.86	2.87	33.56
1911	3.27	3.08	3.40	4.24	0.90	1.84	2.97	8.30	2.09	6.13	6.95	3.35	46.52
1912	2.48	2.30	7.77	5.95	3.39	0.57	1.93	3.02	3.74	1.07	4.15	4.95	41.32
1913	3.54	3.36	5.68	6.21	2.52	0.90	0.91	2.67	3.79	8.81	2.56	4.25	45.20
Av.	3.97	3.96	4.47	3.77	3.40	2.61	4.09	4.37	3.59	4.37	3.75	3.96	46.31

RAINFALL AT WAPPINGERS FALLS, N. Y. Elevation, 110 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1891	7.75	4.69	3.13	4.49	1.86	2.19	3.91	3.82	1.60	2.19	2.14	4.34	42.11
1892	6.08	1.31	3.31	0.61	6.15	4.21	6.03	7.81	2.06	0.64	6.71	1.76	46.68
1893	3.10	7.05	4.78	3.43	7.37	2.09	3.13	6.64	3.14	3.53	3.04	4.05	51.35
1894	2.45	3.43	1.57	2.68	5.84	1.01	1.46	1.17	4.65	5.98	3.27	4.61	38.12
1895	3.04	1.23	1.23	4.17	3.88	1.50	2.45	2.96	1.20	5.02	4.00	3.37	34.05
1896	1.36	6.19	7.84	1.18	3.58	3.52	5.40	2.46	7.01	3.34	3.17	1.93	46.98
1897	2.77	2.66	2.79	3.05	3.92	4.55	11.84	5.82	1.88	1.24	7.24	5.99	53.75
1898	5.17	4.51	3.62	5.16	7.65	2.47	3.68	7.75	2.48	3.42	5.74	2.45	54.10
1899	3.69	6.09	7.61	1.68	2.24	4.15	5.05	1.68	9.70	2.00	2.26	1.49	47.64
1900	2.80	6.99	4.58	1.71	4.43	2.82	4.00	3.05	2.35	3.67	4.81	2.27	43.48

RAINFALL AT WAPPINGERS FALLS, N. Y.—*Continued.*

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1901	2.64	1.33	6.22	9.07	6.36	3.08	7.58	9.42	3.28	2.42	2.37	6.03	59.80
1902	3.32	4.93	5.04	3.94	3.11	4.97	6.56	2.58	5.72	4.57	1.37	9.25	55.36
1903	3.56	6.08	4.72	3.19	5.92	20.63	6.25	11.87	1.54	11.66	2.66	3.98	82.06
1904	5.54	2.66	4.03	3.96	5.57	7.07	5.23	3.92	6.51	4.12	2.06	3.66	54.33
1905	6.10	1.85	3.07	3.29	1.84	3.71	4.68	5.02	6.10	4.07	2.56	3.06	45.35
1906	3.07	3.50	4.08	3.95	6.11	4.98	7.70	2.81	3.00	3.63	1.67	3.72	48.22
1907	3.68	2.40	1.89	3.14	4.61	5.85	3.24	1.63	8.20	7.47	5.23	4.28	51.62
1908	3.00	4.76	4.66	3.77	6.82	3.23	5.97	3.18	1.34	1.11	0.68	3.16	41.68
1909	4.31	5.62	2.52	5.42	2.63	4.59	2.70	6.47	4.27	1.21	2.29	3.34	45.37
1910	6.06	5.27	1.41	5.29	5.05	5.61	2.77	5.93	3.92	1.03	3.16	2.02	47.52
1911	2.67	2.08	2.37	3.67	1.52	4.99	4.62	7.08	3.42	8.64	2.69	1.78	45.53
1912	1.75	1.86	4.47	5.29	5.68	1.11	1.36	4.14	3.07	5.78	3.54	4.41	42.46
1913	4.06	2.85	6.77	6.02	3.41	1.72	1.44	3.93	2.58	8.47	2.99	2.72	46.96
Av.	3.83	3.88	3.99	3.83	4.59	4.35	4.65	4.83	3.87	4.14	3.29	3.64	48.89

RAINFALL AT YONKERS, N. Y. Elevation, 100 feet.

Year	Jan	Feb	Mar	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec	Annual
1878	3.36	4.51	3.35	2.29	1.19	4.74	2.38	2.97	4.75	3.22	5.54	6.46	44.76
1879	3.72	3.46	4.98	5.16	2.67	5.00	5.60	8.24	3.70	0.58	1.97	4.65	49.73
1880	3.68	2.72	4.29	2.61	0.72	0.92	10.20	5.10	2.52	1.64	2.84	2.85	40.09
1881	4.28	5.32	5.95	1.13	2.30	6.78	2.64	1.10	1.02	3.62	2.90	5.82	42.86
1882	7.25	7.24	4.52	1.88	6.01	4.16	6.33	2.42	14.70	1.95	1.33	2.79	60.58
1883	4.48	6.61	1.43	4.41	3.50	5.01	3.00	2.01	4.71	13.86	3.83	4.84	57.69
1884	11.80	10.96	7.55	2.90	4.56	6.67	4.82	7.86	0.67	3.25	4.20	8.58	73.82
1885	9.79	13.33	1.61	0.90	1.97	1.64	6.85	5.05	0.73	6.73	3.08	2.97	54.65
1886	5.31	10.21	4.20	4.79	5.20	4.86	3.74	1.70	1.46	3.11	4.37	4.61	53.56
1887	4.11	7.10	3.83	3.39	0.00	11.14	5.72	6.13	3.34	3.93	1.52	6.23	56.44
1888	6.62	4.97	7.31	3.42	6.79	2.12	1.41	11.50	8.45	5.99	4.57	5.02	68.17
1889	8.30	1.93	2.88	8.33	2.52	2.15	22.72	4.90	8.02	2.88	8.84	2.74	76.21
1890	2.43	3.43	5.88	1.96	3.51	3.88	6.02	3.25	3.64	5.84	0.70	4.25	44.79
1891	10.55	2.32	4.15	3.19	2.47	0.96	2.80	2.87	1.57	2.87	2.63	2.54	38.92
1892	5.05	1.18	2.63	1.70	5.47	3.53	4.00	4.98	1.64	0.52	7.15	1.19	39.04
1893	2.78	3.53	4.23	4.52	5.37	3.22	1.65	7.70	2.55	5.72	4.00	4.25	49.52
1894	1.70	2.55	0.95	2.64	4.88	0.61	1.34	2.59	10.39	6.36	5.79	4.54	44.34
1895	5.18	0.00	2.47	3.49	0.99	1.65	5.98	2.99	1.26	4.28	4.79	3.03	36.11
1896	7.28	0.76	3.94	0.20	4.97	5.41	3.53	3.56	3.75	1.62	2.85	0.62	38.49
1897	2.79	2.16	3.04	3.07	5.52	3.72	11.56	2.17	1.42	0.87	4.48	5.25	46.05
1898	3.86	4.45	3.13	3.50	8.55	1.16	8.98	4.79	0.82	6.81	4.12	1.68	51.85
1899	4.96	2.90	5.75	2.32	3.65	3.32	6.57	1.57	4.51	1.99	2.03	2.86	42.43
1900	4.94	7.24	3.52	1.96	5.20	2.59	6.90	4.41	3.44	3.72	6.33	2.94	53.19
1901	2.10	0.00	8.71	9.82	7.49	0.25	10.55	10.04	1.45	3.42	1.43	10.08	65.34
1902	2.40	3.75	6.24	4.52	3.83	4.76	4.30	2.81	8.70	14.14	1.85	8.38	65.68
1903	7.60	5.45	8.77	8.54	0.16	13.16	5.70	16.53	5.45	9.58	1.50	2.72	85.16
1904	1.94	3.50	4.65	6.31	5.22	3.97	8.39	8.03	6.03	1.80	2.51	4.40	56.75
1905	7.50	0.66	4.84	3.52	1.17	4.64	4.70	5.90	5.50	2.81	1.98	4.42	47.64
1906	2.10	3.32	3.74	6.50	4.00	2.29	6.80	3.51	2.97	5.88	1.54	4.28	46.93
1907	4.16	0.50	4.62	3.21	6.74	4.14	1.34	1.85	9.44	6.13	6.25	4.19	52.57
1908	2.39	5.73	2.55	2.46	8.97	1.25	2.57	11.55	2.00	3.15	0.55	2.90	46.07
1909	2.28	6.37	4.31	7.57	1.81	3.86	3.60	9.52	3.86	1.09	1.24	4.40	49.91
1910	2.28	6.37	4.31	7.57	1.81	3.86	3.60	9.52	3.86	1.09	1.24	1.25	46.76
1911	0.62	2.03	3.34	3.65	1.50	4.78	2.05	6.44	1.80	7.95	5.80	3.95	43.91
1912	2.10	3.00	13.25	3.05	4.05	0.79	2.13	0.77	3.30	5.47	5.45	5.60	48.96
1913	4.47	4.78	7.40	6.07	3.22	0.90	1.71	5.89	3.15	12.98	1.65	3.80	56.02
Av.	4.61	4.29	4.68	3.96	3.83	3.72	5.34	5.34	4.07	4.63	3.41	4.20	52.08

Year	Brome, Que.	Chatham, N. B.	Cranbourne, Que.	Dorchester, N. B.	Father Point, Que.	Fredericton, N. B.	Grand Manan, N. B.	Halifax, N. S	Montreal, Que.	Point Lepreaux, N. B.	Quebec, Que.	Richmond, Que.	Sherbrooke, Que.	St. Andrews, N. B.	St. John, N. B.	Truro, N. S.	Whitehead, N. S.	Yarmouth, N. S.
1861	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
1862	...	...	...	...	...	...	...	...	...	...	...	...	...	...	49.73	...	...	...
1863	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52.91	...	...	...
1864	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52.36	...	...	...
1865	...	...	...	...	...	...	...	...	...	...	...	...	...	...	49.71	...	...	...
								...	...	...	...	...	...	...	50.23	...	...	...
1866	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
1867	...	...	...	...	...	...	...	...	...	...	...	...	...	...	52.66	...	...	...
1868	...	...	...	...	...	...	...	...	...	...	...	...	...	...	55.53	...	...	...
1869	...	...	...	...	...	...	...	...	...	...	...	...	...	...	49.46	...	...	...
1870	...	...	...	...	...	...	...	54.53	...	...	...	...	...	...	51.68	...	...	...
								56.16	...	...	...	...	...	...	63.76	...	...	...
1871	...	...	...	...	...	...	...	...	...	...	...	...	...	...				
1872	...	...	...	...	...	...	...	51.14	33.96	...	32.72	...	...	...	46.58	...	...	...
1873	...	...	...	...	...	...	...	54.06	41.42	...	32.34	...	...	...	62.13	58.35	...	...
1874	...	41.45	...	40.96	57.10	42.85	...	55.44	...	...	48.55	...	...	...	46.72	...	...	...
1875	...	47.51	...	46.37	32.50	45.37	...	54.18	39.12	...	39.45	...	...	41.68	47.72	43.69	...	...
								51.27	39.69	...	42.82	...	...	37.53	52.12	43.93	...	...
1876	...	45.47	41.78	44.12	57.50	47.55	...	53.97	42.42	...	39.74	...	...	40.27	49.76	43.61	...	...
1877	28.68	46.00	41.20	47.09	32.24	40.21	...	57.54	32.89	...	36.30	...	...	30.99	42.92	38.85	...	...
1878	40.76	46.28	42.41	50.57	37.83	40.96	...	56.74	43.76	...	46.25	...	...	35.53	44.73	38.85	...	...
1879	33.16	45.85	47.98	41.32	35.65	47.37	...	47.84	37.98	...	52.39	...	...	40.08	50.81	59.59	...	...
1880	29.67	37.25	40.45	40.25	29.25	39.97	...	52.85	40.78	...	48.61	...	...	35.29	44.97	36.89	...	44.47
1881	27.67	43.85	36.34	42.72	32.35	49.60	...	51.76	31.78	...	36.58	...	...	50.25	51.52	39.54	...	47.31
1882	27.73	45.23	50.29	47.41	32.31	43.46	...	62.02	38.12	...	50.41	40.00	...	40.48	51.01	46.15	...	46.52
1883	26.58	36.79	52.50	36.20	19.04	36.88	...	58.11	39.32	...	43.13	42.43	...	37.97	50.73	...	...	49.20
1884	29.28	45.91	54.90	61.94	36.80	53.74	52.71	63.28	42.71	...	45.57	45.52	...	46.54	66.50	48.03	36.31	45.31
1885	35.67	45.55	48.58	47.17	35.30	44.40	43.40	56.63	51.89	...	38.69	35.73	...	40.81	58.51	45.69	41.98	49.39

CANADA — *Continued.*

Year	Brome, Que.	Chatham, N. B.	Cranbourne, Que.	Dorchester, N. B.	Father Point, Que.	Fredericton, N. B.	Grand Manan, N. B.	Halifax, N. S.	Montreal, Que.	Point Lepreaux, N. B.	Quebec, Que.	Richmond, Que.	Sherbrooke, Que.	St. Andrews, N. B.	St. John, N. B.	Truro, N. S.	Whitehead, N. S.	Yarmouth, N. S.
1886	35.24	37.96	43.62	42.18	35.36	38.43	41.51	57.29	38.48	...	38.40	37.91	...	37.96	52.39	39.12	...	48.53
1887	...	43.62	43.93	49.06	34.73	45.01	48.54	57.13	38.27	58.30	37.59	39.06	...	48.16	64.17	45.40	27.16	53.18
1888	39.72	45.16	59.22	48.55	47.31	48.56	56.26	66.29	44.31	61.26	48.21	49.01	...	50.87	63.95	41.50	37.46	70.88
1889	36.29	32.53	51.79	33.16	38.94	39.15	45.52	48.66	47.14	45.47	48.72	41.91	...	40.38	50.59	36.92	36.66	48.21
1890	42.04	44.76	...	56.13	30.30	48.45	46.58	60.10	45.42	52.74	45.09	45.53	...	40.88	60.38	46.65	47.74	52.63
1891	35.04	41.87	...	47.21	30.46	42.88	48.23	58.67	36.17	48.38	37.55	35.11	...	42.11	53.00	48.32	40.34	52.53
1892	46.90	42.56	...	38.54	30.45	45.73	44.15	53.69	42.30	46.77	34.54	43.20	...	38.60	48.22	44.22	43.74	52.01
1893	35.52	39.66	...	...	29.19	44.12	44.07	58.75	40.50	44.40	35.94	37.77	...	36.51	41.20	41.84	55.31	54.16
1894	21.41	33.03	...	...	28.06	...	35.30	45.81	31.30	38.16	42.17	33.44	...	30.79	37.03	35.58	40.02	35.20
1895	30.66	37.61	...	...	31.49	...	46.63	62.15	39.95	51.93	35.70	35.91	...	40.27	49.92	47.02	44.92	48.81
1896	33.27	37.87	...	...	36.95	39.16	42.28	69.86	40.07	40.85	40.90	41.90	...	34.75	50.01	47.63	44.25	46.79
1897	33.64	40.14	...	...	37.75	40.56	47.41	51.52	39.43	46.11	37.60	34.27	...	...	52.45	42.30	44.47	50.39
1898	33.52	38.32	...	...	28.93	46.06	56.00	60.48	44.50	46.08	41.08	...	...	...	51.35	49.73	44.70	54.81
1899	29.03	34.73	...	...	31.75	38.83	42.22	53.01	43.59	42.27	36.88	...	...	...	50.27	42.47	38.10	48.64
1900	48.49	36.31	...	...	31.80	51.19	62.86	59.70	52.22	51.32	41.48	34.70	...	...	59.91	56.66	47.87	60.32
1901	27.16	33.98	...	...	32.03	43.30	49.34	58.10	45.96	42.42	45.96	31.89	...	...	44.56	42.56	42.64	46.93
1902	45.19	46.65	...	...	44.23	49.65	53.83	51.92	46.76	37.05	46.39	...	...	...	49.58	41.00	42.57	52.66
1903	28.35	42.90	...	...	37.68	...	53.43	59.13	36.15	28.71	31.46	...	...	...	47.62	49.88	39.07	60.52
1904	34.56	38.55	...	...	36.63	41.97	53.11	57.20	44.72	33.96	42.37	...	44.09	...	44.84	47.01	30.92	45.53
1905	36.56	38.17	...	...	26.92	32.99	38.57	47.44	38.15	39.33	32.12	...	39.50	...	42.93	...	28.88	39.74
1906	38.63	39.88	...	...	31.43	...	50.81	64.14	37.83	44.93	33.76	...	38.45	...	50.84	46.60	49.19	52.42
1907	37.06	49.93	...	...	37.59	...	49.26	54.92	40.81	44.65	47.57	...	45.58	...	48.32	37.28	33.89	42.74
1908	29.78	35.72	...	...	36.66	39.13	40.85	64.87	42.53	37.06	43.98	...	32.82	...	41.80	49.33	37.26	45.65
1909	31.23	53.43	...	...	39.89	54.18	48.96	54.32	40.37	42.25	47.00	...	41.56	...	51.50	47.47	37.59	41.39
1910	31.81	44.43	...	...	36.88	45.56	33.57	67.36	41.82	39.34	41.30	...	38.92	...	48.90	...	46.53	40.63
1911	23.81	39.09	...	...	31.14	35.02	30.01	50.45	36.65	32.57	36.70	...	32.43	...	41.78	...	36.73	35.06
1912	44.18	50.48	...	...	41.91	54.62	...	58.11	44.23	43.93	47.46	...	45.45	...	51.85	45.22	...	43.15
1913	35.25	40.31	...	...	32.76	43.87	...	57.68	41.95	40.44	39.93	...	...	...	41.15	48.96	...	44.40
Av.	33.99	41.67	46.78	45.31	35.18	44.02	46.62	56.58	40.89	43.73	41.20	39.18	39.87	39.94	50.67	44.97	40.60	48.53

DISCUSSION.

Precipitation in the Croton and Catskill Watersheds as Affected by Altitude and Winds.

MR. GEORGE G. HONNESS (*by letter*). It is believed that high altitudes acting as a barrier to moist winds from water surfaces — either the ocean or large lakes, such as the Great Lakes, have, in a general way, an influence on precipitation, and that the high altitudes influence the local thunder showers of the summer season.

Rainfall records of the Croton and Catskill watersheds and various Government stations are available and illustrate the effect of these conditions.

The Croton watershed is located about 50 to 75 miles from the seacoast, and is of an undulating character, largely used for agricultural purposes. A comparatively small area is wooded. As it is now developed, of the 360.4 sq. miles, 19.3 sq. miles are water surface. The highest elevation in the Croton watershed is about 1 300 ft. above sea level, the entire drainage area being above Elev. 200. In steepness of slopes it compares with the Wachusett watershed; it is steeper than the Sudbury and not so steep as the Esopus watershed of the Catskill Mountain region, now being developed by the city of New York.

The Catskill watersheds are located about 100 to 150 miles from the seacoast. In this region there are four principal drainage areas: the Rondout, Esopus, Schoharie, and Catskill creeks, a portion of the drainage area of each being the proposed source of an additional water supply of 500 million gal. daily for New York City. The Esopus, 257 sq. miles, and the Rondout, 100 sq. miles, are similar in character, both being largely covered with a second growth of timber. The slopes are steep and rocky, and where rock does not outcrop, the cover is of an impervious glacial drift. These are the influences which make for the high percentage of run-off, and for both these streams it is larger than for the Croton River, Schoharie Creek, and Catskill Creek.

Table 1 shows a comparison between the Croton River and the Esopus Creek, and, although the average rainfall for the Croton and Esopus are about the same, this table clearly shows that a far greater yield per sq. mile can be secured from the Esopus.

TABLE 1.

PERCENTAGE OF RUN-OFF TO RAINFALL, ESOPUS AND CROTON WATERSHEDS, 1906–1913.

YEAR.	RUN-OFF.	
	Croton. Per Cent.	Esopus. Per Cent.
1906	42.6	Run-off records available from October only.
1907	50.4	67
1908	47.1	64
1909	39.5	58
1910	45.1	66
1911	41	62
1912	50	66
1913	57	69.5

Run-off is natural flow of steam reduced to equivalent in inches over entire watershed.

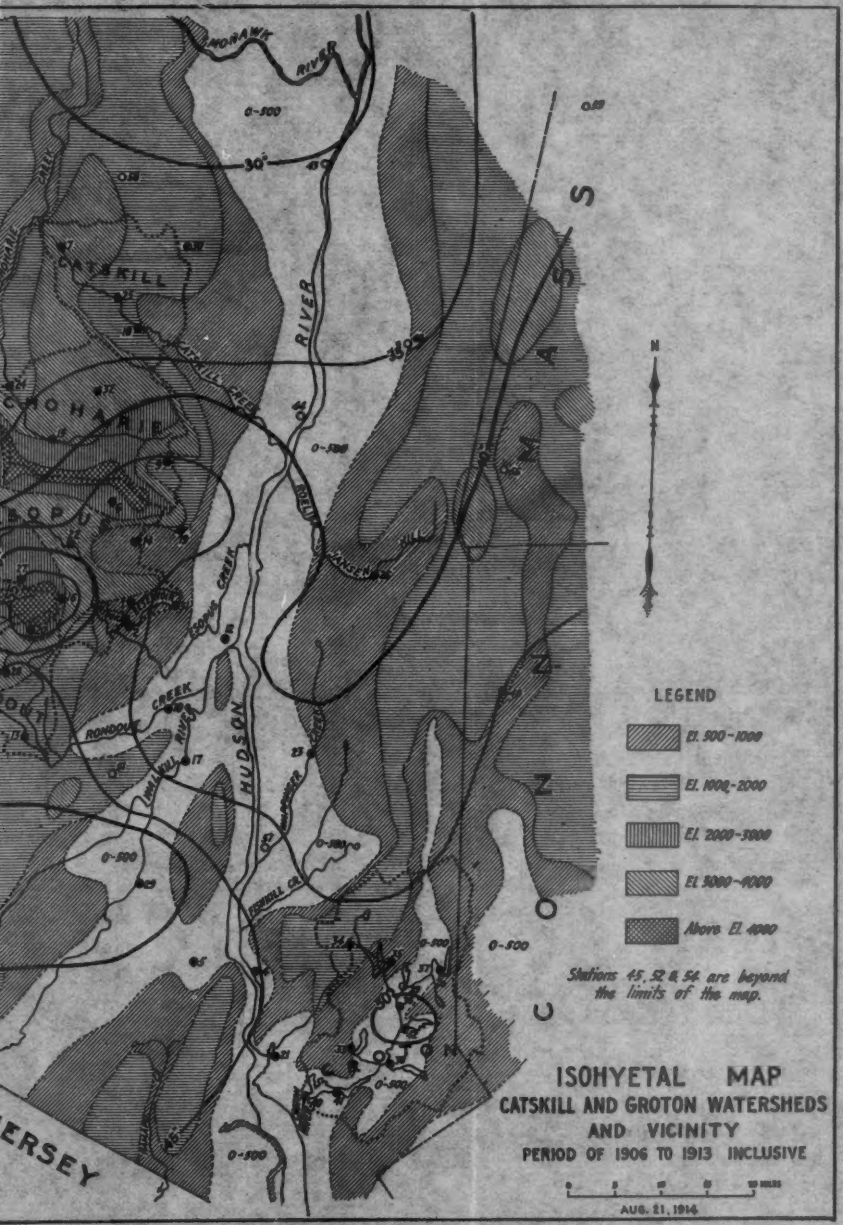
The Schoharie is well wooded on the southern slopes, but the balance of the drainage area is given over to agriculture. The 228 sq. miles of this drainage area now under consideration for New York City's water supply is in the height of the mountain country, and the steep slopes yield a large percentage of run-off.

The Catskill Creek drainage area is mostly cleared land used for agriculture. It is undulating and occupies the flatter slopes of the northerly limits of the Catskill Mountain region. The slopes are much flatter, and the precipitation and per cent. of run-off is the smallest of the four areas.

The elevation of the Esopus drainage area ranges from 400 ft. to 4 200 ft. above sea level, 34 per cent. of the area being above Elev. 2 000. In the Rondout the range of elevation is from Elev. 650 to Elev. 3 850; the Schoharie, from Elev. 1 150 to Elev. 4 025, with 52 per cent. at Elev. 2 000 or higher; the Catskill, from Elev. 500 to Elev. 2 800, with but 10 per cent. at Elev. 2 000 or higher.

Records of precipitation on the Croton drainage area have been kept by the Department of Water Supply, Gas, and Electricity for many years, the location of the gages being such that

WEST BRANCH DELWARE RIVER
EAST BRANCH DELWARE RIVER
ROXBOR
RIVER
NEVERSINK
DELWARE RIVER
NEW JER


MOHAWK RIVER
0-500
30"
40"
CATSKILL
CREEK
RIVER
ROUND
HILL
HUDSON
RONDOUT CREEK
Lowland RIVER
0-500
0-500
0-500
0-500
0-500
0-500
N
LEGEND
El. 500-1000
El. 1000-2000
El. 2000-3000
El. 3000-4000
Above El. 4000
Stations 45, 52 & 54 are beyond the limits of the map.
ISOHYETAL MAP
CATSKILL AND GROTON WATERSHEDS
AND VICINITY
PERIOD OF 1906 TO 1913 INCLUSIVE
AUG. 21, 1914

a numerical average gives what may be properly called an average for the entire area.

In the Catskill Mountain region the Board of Water Supply established gages in 1906, giving proper consideration to their elevation to secure the best average results, having in mind that the precipitation is higher in the higher altitudes. It is a fact well known by those familiar with this region that throughout the year the higher mountain peaks are frequently enveloped in mist, and showers are noticed on the mountains and in the higher hollows when fair weather prevails in the valley. The gages at the higher elevations invariably show a materially greater precipitation, the difference being as much as 15 in. per year. This fact led to an effort to weight the precipitation in accordance with elevations, giving a certain portion of the entire area to each gage. The average results obtained by this means differed only slightly from the numerical average, and this method was discontinued. This agreement of different methods may be taken as indicating that the selection of gage locations was well made.

Another influence of high altitudes is the greater snowfall, which has been noted to be as much as 11 ft. at Hunter Mountain. From the geological nature of the high mountain areas and the character of forest cover, the snow and ice are protected from evaporation during the winter months and add to the run-off during the spring and early summer months to a surprising degree; as an example, in March, 1910, less than an inch of rain fell, but the run-off recorded was about 8 in.; in April of the same year, with 10 in. of rainfall, the run-off recorded was 9 in.

Table 2 gives the location of the rain gages and their approximate elevations, and the rainfall for each year from 1906 to 1913, inclusive. The table gives the records of gages kept by the Board of Water Supply, the Department of Water Supply, Gas, and Electricity, and the United States Weather Bureau in the vicinity of the watersheds under consideration. An effort has been made to delimit areas between different variations of elevations as shown on a map entitled "Isohyetal Map of the Croton and Catskill Watersheds and Vicinity, Period 1906–1913, inclusive." An examination of the map indicates the precipitation in the Croton and Esopus is substantially the same and materially higher than

TABLE 2.

RAINFALL DATA, 1906–1913, FOR ISOHYETAL MAP.

Board of Water Supply Records.

AUGUST 21, 1914.

STATION.			RAINFALL IN INCHES.								
No.	Name.	Elev.	1906	1907	1908	1909	1910	1911	1912	1913	Average
1	Ashokan	660	47.9	50.6	44.1	51.8	51.3	46.0	50.0	46.3	48.5
2	Brown's Station	540	....	47.0	42.0	48.8	45.2	45.4	46.6	46.7	46.0
3	Claryville	1 750	....	50.2	44.3	44.2	47.1	46.1	48.3	52.8	47.6
4	Cold Spring	200	....	49.4	39.9	42.6	39.6	46.4	48.2	48.9	45.0
5	Cornwall	200	....	51.9	37.6	44.6	42.8	44.8	39.7	44.4	43.7
6	Edgewood	1 900	47.8	52.9	47.0	46.4	48.6	40.6	53.1	50.4	48.4
7	Franklinton	1 175	....	37.7	28.3	31.5	31.6	28.9	31.0	35.7	32.1
8	Grahamsville	900	44.7	43.2	41.7	44.1	42.5	46.6	45.4	50.3	44.8
9	Haines Falls	1 910	....	52.6	48.5	47.3	48.2	38.4	40.8	42.5	45.5
10	High Falls	200	....	45.0	38.9	42.8	39.4	43.8	36.8	38.6	40.7
11	Highmount	1 900	42.8	41.6	34.7	35.6	40.3	37.3	45.1	39.5	39.6
12	Kingston	190	....	42.8	37.2	41.8	41.0	42.4	41.8	40.3	41.1
13	Lackawack	620	42.9	44.4	39.2	39.4	43.8	41.9	41.7	48.4	42.7
14	Lake Hill	1 200	46.3	49.2	46.5	50.2	46.7	42.6	47.9	46.8	47.0
15	Lexington	1 440	....	36.9	32.5	37.4	38.7	30.1	38.8	44.0	36.9
16	Moonhaw	1 200	....	57.8	54.8	62.3	58.6	56.5	60.9	61.9	59.0
17	New Paltz	200	....	46.5	40.7	40.0	40.7	42.1	40.3	43.0	41.9
18	Oak Hill	650	....	36.7	32.0	35.4	33.7	32.9	36.0	34.9	34.5
19	Overlook	3 000	....	....	46.4	54.8	49.2	41.5	46.8	46.1	47.5
20	Peekamoose	2 300	57.6	56.7	58.7	56.1	57.7	57.2	61.1	61.6	58.3
21	Peekskill	150	....	55.8	43.7	43.1	40.1	46.4	43.4	50.0	46.1
22	Phoenicia	750	44.5	46.8	45.1	45.9	48.6	41.0	50.4	50.2	46.6
23	Pleasant Valley	220	....	....	33.6	38.5	41.8	48.0	39.1	42.6	40.6
24	Prattsville	1 165	....	41.6	28.2	32.1	37.0	30.4	33.4	33.8	33.8
25	Preston Hollow	850	....	34.4	30.8	34.2	31.8	32.4	33.5	36.0	33.3
26	Silvernails	380	....	....	30.6	36.3	35.7	41.5	41.7	36.1	37.0
27	Slide Mountain	1 900	58.7	53.4	50.9	54.6	57.8	49.0	61.8	58.1	55.6
28	Sundown	1 000	47.0	48.1	40.5	43.6	45.2	42.7	40.7	49.2	44.6
29	Walden	400	....	42.4	29.1	36.3	40.2	35.9	35.3	....	36.5
30	Westerlo	1 160	....	35.3	31.5	33.1	31.0	30.3	39.1	32.4	33.2
31	West Hurley	565	....	47.4	42.0	46.7	43.8	40.1	46.8	42.9	44.2
32	Windham	1 500	....	....	36.3	36.7	41.1	28.9	35.4	35.3	35.6

Department of Water Supply, Gas, and Electricity Records.

33	Amawalk	400	47.0	57.6	45.1	48.1	41.9	48.1	44.0	50.4	47.8
34	Boyd Corners	600	48.7	56.2	40.1	51.6	42.1	52.9	50.3	51.2	49.1
35	Carmel Reservoir	500	50.6	57.9	39.1	51.9	44.9	50.1	48.1	49.6	49.0
36	Croton Falls	250	....	....	36.0	46.9	39.7	44.5	44.4	47.0	43.1
37	East Branch	400	44.0	56.4	38.8	50.1	42.0	45.2	43.9	47.7	46.0
38	Katonah	250	47.7	54.1	43.2	48.0	41.6	46.9	46.0	52.2	47.5
39	Middle Branch	400	46.5	59.9	41.9	51.6	45.1	51.7	44.5	46.9	48.5
40	New Croton	200	42.6	51.7	42.4	....	....	....	....	....	....
41	Old Croton	200	48.1	61.2	48.7	51.0	44.7	46.1	45.4	49.2	49.3
42	Titicus	300	52.8	65.1	47.4	56.6	41.2	46.9	43.8	49.8	50.4

TABLE 2.—*Continued.*

United States Weather Bureau Records.

Station.			Rainfall in Inches.								
No.	Name.	Elev.	1906	1907	1908	1909	1910	1911	1912	1913	Average
43	Albany	97	32.5	33.6	28.4	28.0	28.5	32.1	32.1	26.4	30.2
44	Athens	90	38.2	42.7	31.6	35.6	37.3	41.2	37.4	30.6	36.8
45	Binghamton	875	32.1	29.8	27.2	26.8	32.0	27.1	37.9	27.6	30.0
46	Chatham	470	37.9	40.0	26.5	34.9	32.3	36.7	36.5	32.4	34.6
47	Cooperstown	1 250	48.8	46.6	38.4	44.2	43.8	44.2	47.1	37.6	43.8
48	Cream Hill	1 300	46.3	55.8	40.3	44.8	45.6	44.4	44.9	43.1	45.6
49	Jeffersonville	1 240	39.6	35.7	36.7	35.0	34.5	41.3	38.3	43.5	38.1
50	Liberty	2 300	43.2	43.1	42.8	42.3	39.2	44.7	46.3	44.9	43.3
51	Mohonk Lake	1 245	46.8	51.3	39.9	48.5	53.1	48.4	41.4	46.2	46.9
52	New Lisbon	1 234	43.6	41.2	33.6	38.8	35.9	36.3	40.3	37.5	38.4
53	Oneonta	1 112	41.2	39.5	31.8	34.2	29.8	31.7	34.3	34.4	34.6
54	Orford	916	42.4	41.5	36.6	36.8	43.5	37.7	41.3	37.8	39.7
55	Port Jervis	470	38.9	44.5	37.5	38.8	38.8	45.8	37.3	46.9	41.1
56	South Egremont	764	42.7	50.6	35.4	44.7	40.9	44.7	....	....	43.2
57	Wappingers Falls	110	48.2	51.6	41.7	45.4	47.5	45.5	42.5	47.0	46.2
58	West Berne	946	32.2	36.1	28.0	30.0	28.6	26.1	32.9	32.3	30.8
59	Williamstown	711	36.1	37.6	30.5	36.3	37.9	32.0	36.3	32.8	39.0

in the territory north of the Croton and north and northwest of the Catskills. In the Croton the influence of the higher elevations of the northerly divide and the Hudson River Highlands is believed to have increased the precipitation from the moist winds blowing from the south and southeast. The same conditions obtain in the Rondout and Esopus drainage areas of the Catskill watersheds, they being largely on the southerly and easterly slopes. In the drainage areas of the Schoharie and Catskill creeks, the other two principal areas of the Catskill region, the precipitation is materially less, and to the northwest of these areas the precipitation is still less, the moist winds from the ocean having been interrupted by the high altitudes of the Catskills and being beyond the influence of the moisture-laden winds from the Great Lakes.

In the Catskill region the local thundershowers of the summer time, which are frequently of considerable intensity, apparently have their origin in the high mountains of the Wittenberg range and move northeasterly across the Catskill region.

In the Croton the influence of the Hudson River valley, with the highlands on the west bank, on the locally created thunderstorms is material.

The records of rainfall and the isohyetal map are made available for others who wish to consider the effects of winds and altitudes to reach conclusions.

The hydrographic work of the Catskill region for the Board of Water Supply is under the direction of Sidney K. Clapp, assistant engineer, with Frederick J. Rehn, assistant engineer, as his assistant.

PROCEEDINGS.

PEMBERTON INN, June 16, 1915.

The June meeting of the New England Water Works Association was held at Pemberton Inn with the Boston Society of Civil Engineers, on June 15, 1915. Vice-President George F. Merrill presided.

The following members and guests were present:

HONORARY MEMBERS.

R. C. P. Coggeshall, Albert S. Glover, F. E. Hall. — 3.

MEMBERS.

R. C. Allen, J. M. Anderson, G. F. Ashton, L. M. Bancroft, C. H. Bartlett, A. E. Blackmer, E. M. Blake, M. L. Brown, James Burnie, T. J. Carmody, F. H. Carter, J. E. Conley, H. J. Croughwell, J. M. Diven, William Dotten, John Doyle, E. R. Dyer, E. D. Eldredge, G. C. Emerson, G. F. Evans, S. F. Ferguson, G. H. Finneran, James Fitzgerald, F. L. Fuller, H. T. Gidley, F. J. Gifford, T. C. Gleason, J. M. Goodell, C. R. Gow, J. W. Graham, J. O. Hall, D. A. Heffernan, J. L. Howard, A. C. Howes, C. E. Johnson, W. S. Johnson, Willard Kent, G. A. King, C. F. Knowlton, E. J. Lonergan, E. J. Looney, F. A. McInnes, Hugh McLean, H. V. Macksey, A. D. Marble, W. E. Maybury, John Mayo, J. H. Mendell, G. F. Merrill, H. A. Miller, F. L. Northrop, Isaac Osgood, H. N. Parker, J. H. Perkins, Ransom Rowe, G. A. Sampson, A. L. Sawyer, J. E. Sheldon, C. W. Sherman, E. C. Sherman, H. L. Sherman, H. H. Sinclair, G. A. Stacy, G. T. Staples, W. F. Sullivan, H. A. Symonds, R. J. Thomas, L. D. Thorpe, A. H. Tillson, S. E. Tinkham, D. N. Tower, C. H. Tuttle, J. H. Walsh, L. R. Washburn, R. S. Weston, F. B. Wilkins, I. S. Wood, L. C. Wright. — 78.

ASSOCIATES.

Ashton Valve Co., by A. H. Ashton; Builders Iron Foundry, by A. B. Coulters; Chapman Valve Mfg. Co., by J. T. Mulgrew and H. L. Dickinson; Darling Pump and Mfg. Co., Ltd., by H. A. Snyder; *Engineering Record*, by I. S. Holbrook; Goulds Mfg. Co., by S. G. Taylor; Hersey Mfg. Co., by

Albert S. Glover, W. A. Hersey, and J. H. Smith; Lead Lined Iron Pipe Co., by T. E. Dwyer; Ludlow Valve Mfg. Co., by A. R. Taylor and G. A. Miller; Macbee Cement Lined Pipe Co., by J. D. McBride; Mueller Mfg. Co., by G. A. Caldwell; National Meter Co., by J. G. Lufkin and H. L. Weston; Neptune Meter Co., by H. H. Kinsey and R. D. Wertz; Pittsburgh Meter Co., by J. W. Turner; Rensselaer Valve Co., by F. S. Bates and C. L. Brown; Ross Valve Mfg. Co., by William Ross; A. P. Smith Mfg. Co., by F. L. Northrop; Standard Cast Iron Pipe and Foundry Co., by W. F. Woodburn; Thomson Meter Co., by E. M. Shedd; Union Water Meter Co., by F. E. Hall; United States Cast Iron Pipe and Foundry Co., by M. G. Sackett; Water Works Equipment Co., by W. H. Van Winkle; R. D. Wood & Co., by H. M. Simmons; Henry R. Worthington, by Samuel Harrison, S. P. Howard, and W. F. Bird. — 33.

GUESTS.

Maine: Portland, George Sydleman. *New Hampshire:* Henniker, E. N. Cogswell. *Massachusetts:* Belmont, Mrs. E. C. Sherman, Mrs. C. W. Sherman; Boston, Mr. and Mrs. E. S. Dorr, Mr. and Mrs. H. N. Cheney, Miss Elizabeth Thorpe, Mrs. J. L. Howard, Mrs. S. E. Tinkham, Miss Mary E. Evans, Mrs. G. T. Sampson, Miss H. R. Sampson, Mr. and Mrs. L. Lee Street, Mrs. F. A. McInnes, Mr. and Mrs. E. W. Howe, Mr. and Mrs. H. L. Ripley, Mr. and Mrs. G. G. Shedd, Mr. and Mrs. F. C. Shepherd, Mrs. H. A. Symonds, Mrs. Morton J. Fitch, Miss Miller, Mrs. G. A. Caldwell, A. L. Gammage, Ellery Kinsey, J. G. Andrews, J. W. Stinson, A. H. Blake, E. P. Bliss, G. C. Ambrose, C. F. Glavin, H. L. Hammond, Allen Symonds, C. J. McCarthy, A. W. Parker, C. H. Vom Baur, Frank L. Preble, Horace T. Almy, Frederic Bonnet, Jr., J. M. Cashman, C. D. Bryant, B. R. Chapman, John H. Coghlan, J. W. Rollins, G. T. Sampson, Ernest R. Kimball, L. C. Wason; Braintree, Mrs. W. E. Maybury; Bridgewater, Mrs. John Mayo, Miss Eulah Hopkins; Brookline, Mr. and Mrs. N. S. Brock, Mr. and Mrs. W. T. Davis, Mrs. H. H. Kinsey; Cohasset, Mrs. D. N. Tower, Mr. and Mrs. Caleb Lothrop; Concord, John M. Keyes, Dr. Charles H. Spencer; Dedham, W. F. Whitman; Fall River, Mrs. F. J. Gifford; Framingham, W. F. Howland; Holyoke, Mrs. T. J. Carmody, Miss Helen Hanley, Catherine Sullivan, Mrs. Hugh McLean; Lowell, Mrs. R. J. Thomas, Miss Marion Thomas; Manchester, Mrs. G. F. Evans, Thomas Tonsello; Milton, Mrs. D. A. Heffernan; Norwood, C. A. Bingham; Onset, Neddie Eldredge; Peabody, Frank Emerson; Plymouth, T. W. Bailey; Reading, Mrs. L. M. Bancroft; Somerville, Mrs. Samuel Harrison, Mrs. C. F. Knowlton, Mrs. E. Martin; Taunton, Mrs. G. A. King, Mr. and Mrs. A. K. Crowell; Walpole, Mr. and Mrs. Edmund Grover, Mr. and Mrs. Stanley Grover; Wellesley, Mrs. C. E. Sammons, Miss Pearl Jones, Mrs. F. L. Fuller; West Roxbury, Mrs. C. R. Gow; Winchester, H. W. Dotten. *Rhode Island:* Narragansett, Mrs. Willard Kent; Providence, Mrs. I. S. Wood. *New York:* Alfred, Dr. F. C. Binns; Buffalo, D. A. DeCrow; New York City, Mr. and Mrs. A. S. Tuttle; Troy, Mrs. F. S. Bates. — 106.

Upon recommendation of the Executive Committee the following eighty-two applicants were elected to membership in the Association:

Robert E. Andrews, hydraulic engineer, National Board of Fire Underwriters, New York, N. Y.; James W. Armstrong, engineer, Filtration Division, Baltimore City Water Department, Baltimore, Md.; George L. Bean, civil engineer, Philadelphia, Pa.; David V. Bell, superintendent water companies U. P. R. R. Co., Rock Springs, Wyo.; William H. Boardman, Philadelphia, Pa.; Bertram Brewer, superintendent Water Department, Waltham, Mass.; Guy Britton, civil engineer, Simons, Ohio; John N. Brooks, civil engineer, Douglaston, N. Y.; Irving C. Bull, chemical expert, 100 Maiden Lane, New York, N. Y.; C. C. Carlisle, consulting engineer, Cheyenne, Wyo.; J. H. Clowes, expert accountant, New York, N. Y.; Edward N. Cogswell, chairman Board of Water Commissioners, Henniker, N. H.; Clement K. Corbin, president Bergen Water Company, Jersey City, N. J.; David Davis, Litchfield, Ill.; E. E. Davis, superintendent water works, Richmond, Va.; W. C. Davisson, vice-president and treasurer West Virginia Water and Electric Company, Charleston, W. Va.; Robert C. Dennett, hydraulic engineer, National Board Fire Underwriters, New York, N. Y.; Howard A. Dill, treasurer water works, Richmond, Ind.; Fred I. Dixon, water engineer, Ashton-under-Lyne, England; J. H. Dockweiler, consulting engineer, San Francisco, Calif.; Chester F. Drake, division superintendent, Filtration Division, Bureau of Water, Pittsburgh, Pa.; Arthur W. Dudley, consulting engineer, Manchester, N. H.; Guy Eldredge, chemist, Fort Worth, Tex.; R. G. England, civil engineer, Jackson, Mich.; John C. Flanagan, St. Paul, Minn.; H. V. Gates, civil engineer, Hillsboro, Ore.; Weston Gavett, analyst, City Water Company, East St. Louis, Ill.; W. R. Gelston, superintendent, Citizens Water Works Company, Quincy, Ill.; William H. Gould, sanitary engineer, Toledo, Ohio; Samuel A. Greeley, assistant engineer, Sanitary District of Chicago, Winnetka, Ill.; Frederick Green, general superintendent Commonwealth Water and Light Company, Summit, N. J.; S. C. Hadden, editor *Engineering and Contracting*, Chicago, Ill.; Harry R. Hall, principal assistant engineer, Maryland State Department of Health, Baltimore, Md.; L. V. Harper, manager Chelan Electric Company, Chelan, Wash.; C. A. Haskins, engineer Kansas State Board of Health, Lawrence, Kan.; T. Chalkley Hatton, consulting engineer, Milwaukee, Wis.; W. F. Howland, water registrar, Framingham, Mass.; E. W. Humphreys, consulting engineer, Erie, Pa.; H. Hymmen, superintendent Berlin Water Works, Berlin, Ont.; C. A. Jennings,

superintendent of filtration, Union Stock Yard and Transit Company, Union Stock Yards, Chicago, Ill.; Hervey E. Keeler, president Rogers Park Water Company, Chicago, Ill.; A. H. Kneen, Philadelphia, Pa.; John Knickerbacker, Troy, N. Y.; Stuart K. Knox, civil and hydraulic engineer, Montclair, N. J.; A. G. Levy, assistant director New Orleans Purification Plants, New Orleans, La.; William McCarthy, superintendent water works, Bluefield, W. Va.; H. C. McRae, International Joint Commission, Detroit, Mich.; Robert A. McKim, civil engineer, New York, N. Y.; John N. MacGonigle, vice-president and manager Miami Water Company, Miami, Fla.; Robert B. Morse, chief engineer, Maryland State Department of Health, Baltimore, Md.; A. R. Murphy, Fountain City, Tenn.; M. M. O'Shaughnessy, San Francisco, Calif.; William Perry, consulting hydraulic engineer, Montreal, Canada; Charles H. Pierce, district engineer, New England District, United States Geological Survey, Melrose, Mass.; Seabury G. Pollard, consulting hydraulic engineer, Cincinnati, Ohio; Andrew J. Provost, Jr., consulting sanitary and hydraulic engineer, New York, N. Y.; W. C. N. Randolph, Jr., superintendent water works, Lynchburg, Va.; Col. Henry N. Ruttan, Winnipeg, Manitoba; Robert L. Sackett, dean of engineering, State College, Pa.; C. B. Salmon, Beloit, Wis.; Fred D. Sayer, borough engineer and superintendent water, Brookville, Pa.; Frederick W. Schwartz, assistant professor analytical chemistry, Rensselaer Polytechnic Institute, Albany, N. Y.; George E. Schoemaker, secretary Waterloo Water Works, Waterloo, Ia.; Hervey K. Skinner, water commissioner, Wakefield, Mass.; E. H. Smith, manager New Jersey Water Service Company, Haddonfield, N. J.; L. B. Smith, manager Westmoreland Water Company, Greensburg, Pa.; Arthur N. Talbot, professor municipal and sanitary engineering, University of Illinois, Urbana, Ill.; Frank Talbott, superintendent and treasurer Water, Gas and Electric Departments, Danville, Va.; H. G. H. Tarr, manager Sales Machinery Department, R. D. Woods & Co., Philadelphia, Pa.; Robert K. Tomlin, managing editor *Engineering Record*, New York, N. Y.; Edward E. Wall, water commissioner, St. Louis, Mo.; G. L. Watters, hydraulic engineer, Lehigh Valley Railroad, South Bethlehem, Pa.; Vernon F. West, treasurer Rensselaer (N. Y.) Water Company, Portland, Me.; Theodore T. Whitney, Jr., chairman Board of Water Commissioners, Milton, Mass.; William A. Wilcox, president Waterloo (N. Y.) Water Company, Scranton, Pa.; Ernest C. Willard, civil engineer, Seattle, Wash.; Edgar K. Wilson, civil engineer, New York, N. Y.; John B. Wright, commissioner of public works, Amsterdam, N. Y.; A. J. Yeager, civil engineer, Buffalo, N. Y.; Charles W. Young, president Barnstable Water Company, Winchester, Mass. — 80.

Associates: John Fox & Company, New York, N. Y., and C. H. Vom Baur, Boston, Mass. — 2.

NEW YORK, N. Y.,
September 7, 8, 9, 1915.

The thirty-fourth annual convention of the New England Water Works Association was held at New York, N. Y., September 7, 8, and 9, 1915, convention headquarters being at the Hotel Waldorf-Astoria, and the sessions of the convention being held in the Astor Gallery, in rooms adjoining which the associates displayed their exhibits.

The following-named members and guests were in attendance:

HONORARY MEMBERS.

R. C. P. Coggeshall, Albert S. Glover, Frank E. Hall, F. W. Shepperd, G. A. Stacy, and R. J. Thomas. — 6.

MEMBERS.

S. A. Agnew, W. G. Aubrey, M. N. Baker, H. K. Barrows, G. A. Bengamin, F. D. Berry, C. R. Bettes, Philander Betts, C. P. Birkinbine, F. E. Bisbee, A. E. Blackmer, J. W. Blackmer, C. M. Blair, Max Blatt, C. A. Bogardus, George Bowers, J. T. B. Bowles, C. F. Breitzke, A. W. F. Brown, W. W. Brush, James Burnie, L. W. Burt, C. J. Callahan, T. J. Carmody, Alvin Bugbee, S. K. Clapp, C. M. Clark, H. S. Clark, H. W. Clark, T. D. L. Coffin, W. R. Conard, J. E. Conley, J. H. Cook, H. R. Cooper, G. K. Crandall, H. C. Crowell, A. W. Cuddeback, John Cullen, F. A. Dallyn, L. B. Cummings, G. Gale Dixon, C. E. Davis, F. J. Davis, J. M. Diven, A. O. Doane, J. S. Dunwoody, E. R. Dyer, W. R. Edwards, C. H. Eglee, E. D. Eldredge, G. R. Ellis, A. B. Farnham, F. H. Fay, S. F. Ferguson, G. H. Finneran, A. D. Flinn, R. J. Flinn, A. P. Folwell, D. W. French, Halsey French, F. L. Fuller, W. E. Fuller, W. B. Fuller, W. S. Garde, Patrick Gear, T. C. Gleason, W. B. Goentner, H. J. Goodale, J. W. Graham, F. W. Greene, J. H. Gregory, C. A. Haskins, R. K. Hale, L. P. Hapgood, C. N. Harrub, L. M. Hastings, S. S. Hatch, W. C. Hawley, Allen Hazen, D. A. Heffernan, Clemens Herschel, A. B. Hill, N. S. Hill, Jr., Edgar Hodges, I. G. Hoagland, G. G. Honness, W. C. Hopper, D. J. Howell, A. C. Howes, E. W. Humphreys, J. L. Hyde, D. D. Jackson, C. E. Johnson G. A. Johnson, A. J. Jones, J. W. Kay, F. T. Kemble, Willard Kent, J. A. Kienle, S. E. Killam, F. C. Kimball, A. C. King, G. A. King, A. H. Kneen, Morris Knowles, C. F. Knowlton, J. W. Ledoux,

M. B. Litch, B. C. Little, F. F. Longley, J. B. Longley, F. H. Luce, P. J. Lucey, D. B. McCarthy, D. A. McCrudden, F. A. McInnes, S. H. McKenzie, T. H. McKenzie, W. A. McKenzie, Hugh McLean, H. B. Machen, H. V. Macksey, E. G. Manahan, A. E. Martin, T. P. Martin, W. B. R. Mason, John Mayo, F. E. Merrill, G. F. Merrill, Thaddeus Merriman, Leonard Metcalf, H. A. Miller, E. E. Minor, F. F. Moore, J. J. Moore, A. S. Negus, H. L. Newhall, G. I. Oakley, F. L. Northrop, Edward Neubling, C. L. Parmelee, E. L. Peene, T. A. Peirce, A. E. Pickup, W. D. Pollard, C. DuB. Pollock, Alexander Potter, E. A. Pratt, A. J. Provost, E. W. Quinn, J. F. Reagan, Jr., D. A. Reed, A. A. Reimer, J. H. Remick, W. H. Richards, T. F. Richardson, F. H. Robbins, L. C. Robinson, R. L. Sackett, F. D. Sayer, J. F. Sanborn, P. R. Sanders, W. J. Sando, C. M. Saville, W. P. Schwabe, J. E. Sheldon, C. W. Sherman, M. R. Sherrerd, H. H. Sinclair, M. A. Sinclair, E. F. Smith, G. Z. Smith, J. Waldo Smith, G. H. Snell, H. T. Sparks, W. E. Spear, F. N. Speller, G. T. Staples, R. H. Stearns, W. F. Sullivan, Russell Suter, Frank Talbott, H. A. Symonds, W. C. Tannatt, Jr., H. W. Taylor, S. F. Thomson, J. L. Tighe, R. K. Tomlin, Jr., J. A. Tilden, A. H. Tillson, D. N. Tower, L. L. Tribus, C. H. Tuttle, C. A. Van Keuren, William Volkhardt, Ernest Wadsworth, J. H. Walsh, G. L. Walters, F. D. West, William Wheeler, T. H. Wiggin, Wallace Willett, W. A. Wilcox, W. T. Wilson, F. J. Wise, I. S. Wood, L. P. Wood, L. C. Wright, W. H. Yates. — 209.

ASSOCIATES.

Anderson & White, by C. H. White and L. P. Anderson; American Bitumastic Enamels Co., by W. A. Sealey, K. P. Ellis, O. L. Kearns; *American City*, by J. H. Van Buren and E. J. Burrenheim; Harold L. Bond & Co., by Harold L. Bond; William P. Brew; Builders Iron Foundry, by A. B. Coulters and E. H. Ford; A. M. Byers Co., by A. M. McCormick and G. F. Uhler; Central Foundry Co., by R. W. Conrow; Chapman Valve Manufacturing Co. (Ltd.), by J. T. Mulgrew, C. E. Pratt, T. F. Maher, and T. J. Gammon; Darling Pump & Manufacturing Co. (Ltd.), by H. A. Snyder, J. L. Hough, and H. D. Thorp; Joseph Dixon Crucible Co., by H. W. Chase and C. A. Williamson; H. W. Clark Co., by T. E. Irwin; Eddy Valve Co., by H. W. Dotton and H. A. Holmes; Electro Bleaching Gas Co.; by E. R. Glenn and E. D. Kingsley; *Engineering and Contracting*, by F. G. Hudson; *Engineering News*, by A. E. Kornfield, F. B. Godley, N. C. Rockwood; *Engineering Record*, by A. B. Gilbert, A. L. Sparks, I. S. Holbrook, and E. J. Mehren; *Fire and Water Engineering*, by Frederick Shepperd, F. W. Shepperd, and I. H. Case; Gamon Meter Co., by J. S. Eggert and H. D. Tate; Glauber Brass Manufacturing Co., J. F. Gibson; Hays Manufacturing Co., C. E. Mueller; Hersey Manufacturing Co., Albert S. Glover, W. C. Sherwood, W. A. Hersey, O. P. Hanks, H. A. Searles, J. Herman Smith, W. T. Hershaw, and J. A. Tilden; Kennedy Valve Co., H. M. Hein; Leadite Co., George McKay, Jr., and J. P. McKay; Lead Lined Iron Pipe Co., T. E. Dwyer and F. H. DuBois; Ludlow Valve Manufacturing Co., J. H. Caldwell and A. R. Taylor; Macbee

Cement Lined Pipe Co., J. H. MacBride; H. Mueller Manufacturing Co., F. B. Mueller, G. A. Caldwell, F. N. Fairfield, J. B. Clark; Multiplex Manufacturing Co., J. F. Casey; *Municipal Journal*, J. T. Norris; National Meter Co., J. G. Lufkin, H. L. Weston, W. P. Oliver, and J. H. Norris; National Water Main Cleaning Co., Clinton Inglee; Neptune Meter Co., R. D. Wertz, T. D. Faulks, and H. H. Kinsey; N. Y. Continental Jewell Filtration Co., E. K. Sorenson; Norwood Engineering Co., H. W. Hosford; Pitometer Co., E. D. Case and Jerome Powers; Pittsburgh Filter Manufacturing Co., F. B. Leopold; Pittsburgh Meter Co., J. W. Turner, V. E. Arnold, and R. W. Turner; Rensselaer Valve Manufacturing Co., F. S. Bates, J. S. Warde, Jr., and C. L. Brown; Ross Valve Manufacturing Co., William Ross; Sanitation Corporation, P. B. Streader; S. E. T. Valve & Hydrant Co., C. L. Lincoln; Simplex Valve and Meter Co., W. F. Harveson and J. A. Durst; A. P. Smith Manufacturing Co., F. L. Northrop, D. F. O'Brien, A. L. Wieman, T. F. Halpin; Standard Cast Iron Pipe & Foundry Co., W. F. Woodburn, W. P. Mosteller, and W. C. Hammond; W. P. Taylor Co., P. J. Wigel; Thomson Meter Co., S. D. Higley, C. D. Curnen, J. L. Atwell, F. W. Watson, E. M. Shedd, and W. S. Cetti; Union Water Meter Co., E. W. Jacobs, Edward Otis, and F. E. Hall; U. S. Cast Iron Pipe & Foundry Co., D. B. Stokes; Water Works Equipment Co., E. T. Scott, W. H. Van Winkle, and W. H. Van Winkle, Jr.; R. D. Wood & Co., H. M. Simons, C. R. Wood, and C. F. Baker; Henry R. Worthington, W. F. Bird, F. J. Smith, Samuel Harrison, and H. F. Peake. — 118.

Guests.

Maine: Augusta, Wesley W. Albee, Miss Florence A. Hunton; Castine, Mrs. George A. Benjamin, P. E. Benjamin; Portland, W. D. Sears. *New Hampshire:* Concord, Mrs. H. L. Sanders. *Vermont:* Springfield, F. R. Lovell. *Massachusetts:* Arlington, Mrs. H. S. Clark, Mrs. J. E. Minor, Mr. and Mrs. Arthur H. Smith; Attleboro, Carrie L. Perry, Mrs. G. H. Snell; Boston, Mrs. George A. Caldwell, Z. W. Carter, Mrs. Albert S. Glover, Mrs. H. H. Kinsey, Mrs. S. E. Killam, James N. Mudge, Mrs. F. A. McInnes, Edward A. McLaughlin, Mrs. Edward E. Martin, Mr. C. F. Glavin, Miss J. M. Ham; Bridgewater, Mrs. John Mayo; Brookline, Mrs. C. H. Eglee; Cambridge, Edward A. Coumehan, Mrs. L. M. Hastings; Chicopee, Mrs. C. A. Bogardus; Cohasset, Mrs. D. B. Tower; Concord, Mrs. William Wheeler; Dedham, Miss Grace M. Staples; Easthampton, Mrs. W. C. Tannatt, Jr.; Fall River, Capt. F. S. Whiting; Haverhill, W. Arthur Teed; Holyoke, Mrs. Hugh McLean, Miss Maryon McLean, Mrs. T. J. Carmody, Mrs. R. J. Thomas, John E. Sullivan, David H. Sullivan, Mr. and Mrs. J. H. Carmichael, Katheryne Carmichael, J. W. Crawford, Helen E. Bowers; Marlborough, Mrs. George A. Stacy; Malden, John W. Murphy, John J. Connell; Medford, Henry T. Hughes; Melrose, Mrs. C. F. Knowlton; Millbrook, L. M. Peterson; Onset, Neddie Eldredge; Pittsfield, Mrs. F. J. Wise; Somerville, Mrs. Samuel Harrison, Mrs. Frank E. Merrill, Mr. and Mrs. D. L. Dow; Springfield, Mrs. L. E.

Herrick, Morton L. Miller; Wellesley, Mrs. F. L. Fuller; Westfield, Mrs. John L. Hyde; West Roxbury, Mrs. Richard J. Flinn; West Springfield, Mrs. J. Witperm, Mrs. A. Norris, B. E. Fox. *Rhode Island:* Narragansett Pier, Mrs. Willard Kent; Pawtucket, Miss F. Murray, Miss M. Murray, Mrs. C. Jetti; Providence, Mrs. Irving S. Wood. *Connecticut:* Ansonia, Thedore L. Bristol; Hartford, Mrs. L. W. Burt, John A. Collord, James J. Dennehy, F. S. Goodwin, R. J. Kinsella, Arthur J. McManus, Mrs. Caleb M. Saville, D. J. Sullivan, Charles L. Tuttle; Middletown, Mrs. G. Z. Smith; New London, H. S. Richards, Mrs. George K. Crandall; Southington, Miss Eunice J. McKenzie, Mrs. S. H. MacKenzie, Mrs. W. A. MacKenzie. *New York:* Amityville, Mrs. Clinton Inglee; Bay Ridge, Mrs. M. A. Golding, Mrs. H. J. McMahon; Bronx, Mr. and Mrs. A. A. McInnes, Mrs. H. Lester Newhall, Mrs. C. A. Williamson, A. Williamson; Brooklyn, Miss Mary S. Ambrose, Miss Madge G. Ambrose, Joseph Cochran, George P. Conard, Thomas F. Flinn, Frank G. Hale, Mrs. E. W. Jacobs, Miss M. E. Jacobs, Carlos Lobo, John P. Mern, Mrs. F. W. Sheppeid, Mrs. H. Searles, Miss T. May, Mrs. W. W. Brush; Dobbs Ferry, Mrs. W. E. Fuller; Far Rockaway, Dr. M. M. Slocum, Mrs. M. M. Slocum, Mr. and Mrs. S. N. Durland, Mrs. Charles R. Bettes; Grand View on Hudson, Mrs. Alexander Potter, Miss Harriet F. Dangerfield; Hudson Falls, Mrs. W. G. Aubrey; Hawthorne, Mrs. Fred F. Moore; Jamaica, Geraldine White, Mrs. Elizabeth White; Johnstown, Mrs. Edgar Hodges; Mt. Vernon, H. G. Havill; New York, Eliot N. Smith, Mrs. E. T. Barclay, Albert R. N. Aherns, May I. Agnew, Rudolph C. Becker, Henry C. Bunche, William R. Billings, T. Hugh Boorman, Mrs. Mildred Clark, W. S. Coulter, R. W. Creuzbaur, H. W. Chase, Hon. Charles N. Chadwick, Eugene A. Dummer, Mrs. Thomas Farmer, Jr., Mrs. Arthur L. Fletcher, John T. Fetherston, O. B. Gunther, Martin Gleason, Miss F. E. Gray, R. H. Gaines, Mrs. W. B. Goenther, William Hanck, T. Hochlerner, Mrs. G. P. Harvey, Frank E. Hale, Edward Hatch, Jr., Nathan C. Johnson, Ernst Jonson, Mr. and Mrs. Walter Krider, Jacob Klein, William Lenihan, Hon. John Purroy Mitchel, Mary W. McDonough, John McDonough, Mrs. H. B. Machen, John F. Mead, Thomas McGowan, James McDonough, Thomas McManus, Mr. and Mrs. F. McAvoy, Eugene C. Miles, Mr. Charles G. Massa, Fred B. Nelson, Miss Eva Richtmyer, Thomas Ryan, Julian Richmond, Mrs. Everett Richtmyer, Harold C. Stevens, Dr. W. J. O'Sullivan, Jas. R. Smith, Jos. Sweeney, Mrs. Louis L. Tribus, Mrs. James H. Van Buren, Mrs. W. H. Van Winkle, Mrs. Wilbur T. Wilson, Mrs. C. Willson, Edward L. Walker, H. B. Woods, Louis Weiler, Hon. Delos F. Wilcox, A. Wilson, Thomas White, M. E. Zipser; Rosebank, Miss Charlotte Dougherty; Richmond Hill, Mrs. E. K. Sorenson; Stapleton, Mr. A. N. Volkhardt, Mrs. William Volkhardt, Miss M. N. Volkhardt; Saratoga Springs, Albert E. Kay; Tompkinsville, E. H. Hopson; Troy, Mrs. Fred S. Bates, Mrs. J. M. Diven; Tonawonda, Miss M. R. Engelking; Utica, F. O. Larmon; Valhalla, Wilson Fitch Smith; Waterloo, Howard C. Kinney; Woodhaven, Mrs. F. H. Luce; Whitestone, Harry J. Bunche; White Plains, William J. Lyon; Yonkers, Mrs. Alfred D.

Flinn, Mrs. E. L. Peene, Mr. and Mrs. J. C. Ryan, Chas. E. Wells, Mrs. T. Callan, Miss E. Redmond, Mrs. C. S. Daly. *New Jersey:* Atlantic City, L. Van Gilder, B. F. Souder; Bound Brook, Mrs. W. B. R. Mason; Bridgewater, Timothy Woodruff; Camden, Frank S. Fithran, James H. Long; East Orange, Mrs. A. A. Reimer, Mrs. William D. Agnew, W. D. Agnew; Jersey City, Samuel R. Wilson, F. La Tourtette, W. M. Hendrick, Steven Baken; Little Falls, Miss L. Cunningham; Montclair, Mrs. John H. Gregory; Newark, Mrs. T. D. Faulk, Mrs. W. H. Van Winkle, Jr., Mrs. Edward Maher, Mrs. T. F. Halpin; Passaic, Mrs. John H. Cook, C. A. Terhune; Paterson, H. M. Van Buren, Peter J. Nestler; Perth Amboy, Thomas Grieve; Rahway, Albert F. Kirstein; Riverton, Mr. and Mrs. W. H. Buck; Summit, William J. McWane, Mrs. F. C. Kimball; Trenton, R. A. Speck, Chas. H. Spreck, W. J. Stewart, Alonzo P. Buck, Mrs. Alvin Bugbee; Westfield, Mrs. E. D. Case, Mrs. A. Mallefert. *Pennsylvania:* Bloomsburg, H. C. Casey; Harrisburg, Ralph H. Hosmer; Johnstown, C. O. Johnston; Lansford, T. D. Lewis; Philadelphia, Mrs. D. A. McCrudden, M. Y. Neely, Marvin Y. Neely; Pottsville, Miss Mary S. Pollard; Torresdale, Mrs. Francis D. West. *Virginia:* Danville, Frank Talbott, Jr.; Newport News, W. B. Livezey; Petersburg, P. G. Bunting. *District of Columbia:* Washington, B. L. Howell, E. D. Anderson. *Indiana:* Indianapolis, Joel W. Hadley. *Minnesota:* Duluth, Mrs. D. A. Reed. *Ontario:* Carleton Pease, B. G. Michel.— 266.

SUMMARY OF ATTENDANCE.

Honorary Members	6
Members	209
Associates	118
Guests	266
	599
Names counted twice	5
Total attendance	594

Morning Session, Tuesday, September 7, 1915.

[Present, 150.]

The convention was called to order at 10.30 A.M. by President Leonard Metcalf, who said:

Ladies and Gentlemen, — It gives me great pleasure to welcome you here to-day to the thirty-fourth annual convention of the New England Water Works Association.

We had hoped to have with us this morning the Mayor of the city, Mr. Mitchel. Whether life at the Plattsburg training camp has been too strenuous for him or not I do not know, but he unfortunately was unable to come in person. He has, however, sent his representative in the person of Commissioner Woods who will address you.

Mr. Mitchel, who had served the city first as Commissioner of Accounts, and then as president of the Board of Aldermen, came into office about two years ago, and I am told, by those who are in a position to judge of the matter, that he has taken a very active interest in the water-works problem of this city, being perhaps more familiar than any other man, outside of those actively interested in the conduct of that work, in following up the details of construction and the administrative problems which have come up in connection with it. He also has been familiar with the Croton and Ridgeway supplies and with the other systems hereabout, and has come very closely in contact with those works.

I take great pleasure in introducing to you Commissioner Woods.

Police Commissioner Woods. *Mr. President and Ladies and Gentlemen,* — After the very appreciative words spoken by Mr. Metcalf about the Mayor's interest, his unusual interest, in the water works, I feel especially humble — even more so than a substitute usually does — in having to disappoint you by taking his place so far as I can this morning. I am not sure whether it was his experience at Plattsburg which incapacitated him or not. It may be that he picked me out because I have had about ten days in which to recover from my experience at Plattsburg. However, I rather suspect that what Commissioner Wilcox told

me a few minutes ago may be true, and that is that the Mayor was so invigorated and so reënforced by his month at Plattsburg that he felt even fit for the more strenuous task of beating down a budget of the Board of Water Supply for the year 1916 this morning.

As I understand it, this is the third time that the New England Water Works Association has met here in New York in ten years, and those ten years cover the growth of the tremendous project of bringing down water from the Catskills into New York City, a growth which has been accomplished under the unfaltering and very skillful supervision of Mr. Smith, who, as I understand it, is a past president of this Association. As it happens, I am freshly arrived from the Catskill region, having been climbing mountains up there for the last three days, and yesterday the trail led me down by the reservoir. I remember standing on a ledge some miles back from the head of the great dam, but about 2 500 ft. over it, and looking down on the whole area of this work, including a great part of the watershed itself, and I don't know when any one thing has impressed me more. One of the men with me had a government map of the district on which had been traced in blue ink the enormous lake which now lies there among those hills. These men knew that country when nothing but a mountain stream flowed down across the plateau, and from the ledge where we stood they had seen the great dam grow, and they pointed out to me the development of the work in vivid detail. And yet, as deeply impressed as I was, I could not help but think of it as a curious situation — this building of that enormous dam, a daring, brilliant scheme of transporting bodily the waters of the Catskills to us way down here — and still remembering, at the same time, that at the place where I spent the previous night, an old farmhouse made over into a summer boarding house, the family got their water from an old-fashioned pump from a hole in the ground alongside of the house. We pay a good many penalties for living together in the large communities which we call out cities, to-day, but there are also some benefits which we derive, to make up for the penalties, and I think one of them is the assurance of an adequate and pure water supply. People take it for granted that they are

going to get enough water, and wholesome water. They don't half stop to realize what might happen to this town if by any chance our water supply should become suddenly polluted so as to be unfit for use, or if it should be shut off. I think one reason why the Mayor was so eager to welcome you in person, and so disappointed that he could not do it, and why he charged me to get up here on time and to express his great regrets, was because he has taken more than a routine interest in this water-supply project. He, personally, has worked during these last few years not merely to help along the Catskill project, but also to make more efficient the present supply of water for New York City. And I feel that he has realized all along the way in which you gentlemen and this Association could bring home to the people the absolute need of an adequate and pure water-works system to the city.

My personal job with the police force has nothing to do with keeping the water works pure. It probably has more to do with regulating other liquid supplies which find their way into the city. Not so much with water! However, it does have to do with guarding the water supply. In times of serious trouble — disturbance, riot — we should be responsible for keeping the great reservoir and distributing system intact, so that the water could continue to flow through it. And it is a meeting such as this, of men who stand at the head of their profession in the water-works line, that should bring home to the people of the city the fact that they cannot take their water supply as something for granted, — that it must be the result of continued watchfulness, continued care, and of the continued employment of the services of the men who make it a profession and who are fitted to take care of it.

Therefore, in behalf of his Honor, I bid you welcome to New York. And in my own official capacity I want to assure you that although the lid is on, the town will be open cordially to you. And if anything needs attention in those lines, if you will let me know it shall be attended to. Thank you very much.

PRESIDENT METCALF. We are fortunate in having with us to-day another gentleman who has played a very active part in the development of the new city supply of New York, Mr. Charles

N. Chadwick. His first interest in the problem dates back to 1897, when, as chairman of the Committee on Water of the Manufacturers' Association of Brooklyn, he with his associates presented a report on the New York water supply, which was the beginning, the inception of the work which is now nearing completion. From that time to the appointment of the Board of Water Supply he and the Manufacturers' Association worked with other civic bodies for the inauguration of this great water supply project and to have it put upon the right basis. He was the first man appointed by Mayor McClellan to take up this great work, and for upwards of ten years has been perhaps the most active member of the board upon it. Mr. Chadwick has always had in mind three central ideals, I understand, in connection with this project: the first, that by constitutional amendment expenditures for the water supply should be without the city's debt limit; the second, that the commission should have a continued existence and be free from politics in the ordinary and objectionable use of that word; third, that the scheme to be adopted should contemplate a long period — that is, should look forward to a period of perhaps fifty years from its inception. Mayor McClellan in an address at the turning of the first sod for the beginning of the aqueduct's construction referred to the part played by the various civic bodies in the following words:

"Nor could we have aroused public opinion without the help of the public-spirited civic organizations, first and foremost among which was the Manufacturers' Association of Brooklyn, under the insistent, consistent, and persistent direction of our commissioner, Mr. Chadwick."

I take pleasure in introducing to you Mr. Chadwick.

Hon. Charles N. Chadwick. *Mr. President, Ladies and Gentlemen,* — It is a pleasure and a privilege for me, as one of its commissioners, to be here and welcome you to the activities of the Board of Water Supply. I welcome you to its detailed work.

Back up in the Catskill mountains, millions of years ago, if our geologists tell us aright, was a lake. In due course of time the geological action of that great ice mound that rested upon the continent wore down the lower side of that lake. It was this

site that our engineers discovered, and around the lower edge of it they have built a dike six miles along, and across the Esopus which sometimes we can cross without wetting our feet and which at other times is a roaring torrent thirty or forty feet deep, they have built a dam, and enclosed in there a body of water which holds 132 billion gallons, enough to cover the entire island of Manhattan twenty-eight feet in depth. To that work in its physical aspects as you will see it now, I welcome you. If you should go up there and embark upon our launch and sail over that lake twelve miles long and in its widest part three miles wide, you could in your imagination see underneath that water 7 villages, 3 000 people that were alive, 32 cemeteries, 2 800 dead bodies, a railroad 14 miles long, churches, schools, and all the activities of human life, all removed and taken away, and in their place a great body of water, — the Ashokan Reservoir.

And I welcome you to the work of the builders of the Catskill aqueduct. Following along the 120 miles of the aqueduct from the Ashokan Reservoir to Silver Lake Reservoir in Staten Island, a great tunnel winds its way down across the valleys, and underneath them, and through the mountains until you come to the Hudson River. And there at Storm King it goes down 1 200 ft. below the surface of the water and crosses 3 000 ft. and comes up at Breakneck 1 200 ft. to the surface of the water, and 400 ft. more, or in all 1 600 ft., to the gradient line, — and on down toward the city.

And, again, I welcome you to the work being done at Kensico, near Valhalla, to that great dam that is thrown across what was once Kensico Reservoir, to back the water up into Rye Pond, and hold there in storage a supply sufficient for the city for fifty days, if for any reason there should be a lack of supply of water from the Ashokan Reservoir. And then you come to the equalizing reservoir at Yonkers. And then you can follow the subterranean journey of 18 miles below the level of the streets of New York through the pressure tunnel under the Island of Manhattan, through a tunnel diminishing from 15 ft. in diameter to 11 ft. until it crosses the East River at Manhattan Bridge, at a depth of 750 ft. below the surface to Brooklyn, and then through Brooklyn, through pipe lines, out into Queens, and then

on down to the Narrows, where we are building a 3-ft. pipe line across, and on to Silver Lake Reservoir, at Staten Island, which is the last and smallest of the reservoirs that is being built.

To these and other details of this work that is being done by the city of New York through the Board of Water Supply, I welcome you.

I also welcome you to the offices of the Board of Water Supply on the twenty-second floor of the Municipal Building; for you know this work is divided into two great departments, the administrative and the engineering. In the administrative department we have such divisions as those relating to the acquisition of land, payment of damages, purchasing of supplies, then also on questions of law, questions of legislation, and, the controlling factor, our auditor's department in charge of the finances of the Board.

Now, I do not ordinarily when I am speaking read, but I want to read to you what I asked our auditor to prepare, which will show you just exactly how the work in that department is conducted, for it is the keynote and the control of our work, and through it and by means of it we know exactly what we are doing every day in the year and practically every minute in the day. In making his report to me he writes:

"The financial operations of the Board of Water Supply are conducted along the same lines as a banking institution or a large corporation. It knows at the end of each day the total amount of its resources, the total amount of disbursements, and the purposes for which the same have been made and the amount of its liabilities. The Board therefore knows daily to what extent it may embark upon new enterprises in completing the work in hand. At each weekly meeting of the Board there is presented a statement setting forth the exact financial condition of the Board at the close of the preceding day. This statement is printed in the record of the Board's proceedings. The accounts of the Board show the cost of acquiring land pursuant to condemnation proceedings, in great detail. It is the first time in the history of the City of New York that information along these lines has been compiled. The figures disclosed have an important bearing on the question of revising the method of acquiring land for the city, which will eventually result in saving hundreds of thousands of dollars in interest and other costs incidental to acqui-

sition. Quarterly and annual statements are prepared which show the functional cost of construction over the entire line of work in great detail. When the work of construction is finished it will be possible to determine the cost of construction per foot of the various types of aqueduct."

Back ten years ago, when the question came up how we should organize our bookkeeping department, it was determined then and there that we should organize it along lines of positive knowledge. If mistakes were ever made — and they are likely to be made — they should show for all time, and we should have a system of bookkeeping of such a kind that at any moment, at any time, for any reason, the exact cost of any particular work should be known. I welcome you to that and the other activities of the headquarters department in the City of New York.

Your chairman has very pleasantly alluded to some of the work I have been engaged in in the past, and it leads me to say this, that in the beginning, when this work was first taken up in 1897 by the civic bodies of the Greater New York, it was realized that a work of this magnitude must be handled on business principles, through a non-partisan board, independent of politics. It was so conceived, it was so planned, it has been so worked out and carried on. And the result is that we have been able to go on and do our work with great freedom, with great regularity, with great speed and economy, and within the estimated time, and, as I believe, within our estimated cost as laid down at the time when we made our map plan and estimate of cost back in 1905. For at that time we asked for $161 000 000, to which was to be added later the cost of the pressure tunnel under the Island of Manhattan, making a total of $177 000 000. Of that sum, $127-000 000 has been expended in cash, and we have a sufficient balance on hand to our credit to go on and do the work.

In modern cities throughout the country the effort is making toward a business administration, and it was this conception that the Board of Water Supply had; that the City of New York had; and that the legislature of the state of New York had at that time — through the influence of the civic bodies — that this work from beginning to end should be conducted along business lines. I want to place the emphasis upon that in order that you

may understand why it is that we have been able to accomplish what we have.

Now, in all great constructive works there is not much difference as to the engineering control, as to the business administration, and the work finally is done and finished. But here New York City has adopted a plan of work which is unique and which takes into consideration another element besides that of administration, business, and engineering, and that is the human element. Working under an eight-hour law, the leisure time was the problem. We were pretty sure of the laborer's time and employment, because when he was asleep he *was* asleep and when he was working the engineers controlled him; but it was the eight hours of leisure, the time which was on his hands and might hang heavily and would be open to mischief, which we took into consideration, as to what we should do in order that we might get one hundred per cent. of efficiency out of an eight-hour day. And so it was that in drawing up our contracts we wrote into them specifications which provided for the intelligent housing of the workingmen, for the sanitary control of the camps, for the incineration of garbage, and so on, — for commissaries, hospitals, surgeons, and all the things that go to make life endurable in these far-away places where men are gathered together to do special work. That was all right as far as it went. Then the legislature passed an act creating a board of police which was to control and protect the inhabitants against these laborers and people who were coming in there and working and might make trouble. In fact, we reached at one time a maximum, I believe, of about 25 000 of one kind and another employed upon this work during the period of heavy construction. That again was all right. Then on top of that and in addition to that, in order to develop an *esprit de corps*, arrangements were made for clubs for our engineers and, growing out of that as the solution of the problem, CAMP SCHOOLS for the workingmen, to teach them the English language, in order that the element of misunderstanding by lack of a common medium of expression should be removed, so that the contractor and laborer could get along and understand each other without the intervention of the middleman. In addition to that, a study of the laws and institutions

of the country, and the rights of persons and property, put these foreigners that came to us — Slavs, Italians, and other nationalities — into an intelligent comprehension of our point of view. On the other hand, we tried to arrive at an intelligent comprehension of their point of view from our side. And so it has been that in the ten years that I have been commissioner and that this work has been going on, the problem has been solved and we have had no strike.

Now, back in 1832, De Witt Clinton planned the Croton watershed. That was followed by the Ridgewood watershed of Brooklyn. And after that the department of water supply carried on the work. Then in 1905 came the time when this work was to be taken up. And we are to add to the water which the city now has, about 500 000 000 gal. a day, another 500 000 000 gal. a day. The first installment of 250 000 000 gal. that the reservoirs and aqueduct now completed are ready to deliver will be ready at the end of next year, 1916; and a few years later, upon the completion of work going on in the Schoharie and elsewhere for the second installment of 250 000 000 gal., the entire work will be completed on time. Ten years ago we submitted a map and plan and estimate of cost to the Board of Estimate and Apportionment, stating that it would take twenty years to do the entire work. The indications are that, having completed and ready for delivery next year the first installment, the second installment will follow well within the estimated time.

And now, lastly and in conclusion, water is the great asset of the city of New York. The work that began with De Witt Clinton and continued with others is now being carried on by the Board of Water Supply. It is the great asset of the city of New York, for without water what could you do? President Eliot, in an address he made some years ago, speaking of the fundamental needs of a great city, said that they are light, air, and water, — and the greatest of these is water.

Gentlemen, to this work I welcome you, — to this great asset of the city of New York I welcome you. And I want to say to you that in the work that has been done — and I say it because I know — it has been honestly done, and when that cup of pure and wholesome water has been brought from the Catskill moun-

tains to the outreaching hand of the people of the city of New York, it will be given to them with a clean hand.

PRESIDENT METCALF. Amongst the other municipal activities of a great city such as this, is the problem of the relation of the public-service corporations to the city. Mr. Delos F. Wilcox has played an active part in these, first as the chief of the Bureau of Franchises of the Public Service Commission of the First District, from 1907, shortly after the commission was established, until 1913, when he proved himself an able champion of the cause of the people; and later, in his employment by the Water Department to take charge of the valuation of certain private water companies, still operating in New York City and vicinity, for the purpose of advising the commission as to the fixing of rates and for negotiating possible terms of purchase; and subsequently, when he was appointed deputy commissioner of this department. I take pleasure in presenting to you Mr. Wilcox.

HON. DELOS F. WILCOX. *Mr. President, Ladies and Gentlemen,* — You have been welcomed to great things, and it falls to my lot, as the representative of Commissioner Williams, who is spending the last day of a two-weeks vacation out of the city, to welcome you to our troubles.

The Department of Water Supply, Gas and Electricity is charged with the care, protection, maintenance, and operation of the portion of the water supply that is in actual operation at the present time; with the collection of the water revenues; with the high pressure fire service; with the inspection of water meters; and, in addition to that, has charge of the lighting of 2 600 miles of streets and 2 300 public buildings, and of all electrical inspection in the buildings of Greater New York. I will not refer to these other and additional functions because they are of no particular interest to you as members of a water-works association.

One of the very serious problems that we have in this city is that of getting enough revenue to run our business. We have an income of only about $13 000 000 a year from the sale of water; we need more. As soon as the Board of Water Supply, the agency for constructing the new Catskill aqueduct, turns over to us the first installment of the Catskill supply, with the burden of paying

the interest on its cost, we shall have to find $8 000 000 a year in order to pay merely the interest and sinking fund charges on that debt. We have the problem of discarding, or putting into reserve, a water supply from the ground which we now have to pump — the Brooklyn supply — amounting to about 150 000 000 gal. per day. We have to carry the investment that has already been put into the development of that watershed. You can readily see that either the city of New York has got to increase in population, or the department has got to be more diligent in the collection of revenues, or we have got to raise the rates, or do something in order to meet these great obligations which are coming upon us.

In that connection, the first problem that faces us, of course, is the problem of economy of administration, and just at the present time I wish to congratulate you that you have come this year and this month when we still have an adequate force of engineers who can welcome you to our works, because the budget makers are after us, and perhaps, if you were to come next year, nobody could spend even ten minutes to come here to say "how-do-you-do" to the Water Works Association. When Mr. Hill's organization, the American Water Works Association, comes, next year, we shall probably see that this will be proven.

The next problem is that of increasing our gross receipts. Now, we have a somewhat antiquated and very complex system in New York. Under the charter enacted by the legislature, the commissioner is authorized to require meters to be installed in tenement houses, apartment houses, and other buildings used for residence purposes. Under that authorization the commissioner has extended the meter system to practically all business premises, so that we now have about 100 000 meter accounts. But the Board of Aldermen, being not unnaturally responsive to the wishes of its constituents, has not yet given its consent to the installation of meters in residence premises. We therefore have about 250 000 accounts on frontage and fixture rates. Actual investigation of our rates, which have come down to us in large measure from the first half of the last century, will convince any one, I think, that they are antiquated, inequitable, and need to be revised. We have under our charter, however,

the requirement that if meters are installed they must be installed and maintained at the expense of the property owner. We feel somewhat open-minded on that question, and that is one of the questions in the solution of which we welcome your assistance. But we are inclined to think that the proper method of running a water department, as also of running a public-service corporation, is for the department to install at public expense, and maintain at public expense, the meters which are a part of the machinery for the collection of the water revenue. If we go to that policy we shall, of course, have to spend more money both for the installation of the meters and for their maintenance thereafter, and we shall therefore require still more revenue; and one of the problems we are studying now is as to how far the extension of the meter system to all residence premises throughout the city would reduce our expenses by curtailing the consumption of water, and how far it would increase our revenues by getting us a revenue for all the water consumed.

We are confronted with another problem in connection with the rates, which is not, perhaps, entirely peculiar to New York, but which represents a condition that is far from what it ought to be. No account has ever been made in the water-works accounts of the cost of fire protection, and therefore the city of New York has pursued the policy of furnishing fire protection by means of the larger mains, the greater pressure, the hydrants, and the separate high-pressure system, all as a part of the expense of operating the Water Department, for which the department has received no compensation directly through appropriations. We also have a very liberal exemption list. Charitable institutions as well as all city buildings have their water free. Our water rates are treated as a tax, and practically all institutions which are exempt from taxation are exempt from water rates.

In this connection we have a still further complication, one that is giving us a good deal of trouble now. In the outlying portions of the city — Brooklyn and Queens — there still exist private water companies, and although they seem relatively small and unimportant as compared with the city of New York and its municipal water works, still they serve a population of approximately 400 000 people. Now, they are not subject to

the Public Service Commission, and with one exception they have no exclusive franchises, so that the city of New York, with its municipal water works, enjoys the right to supply these same people with municipal water. In four or five cases the rates are in certain respects different from and higher than the rates charged by the city. These companies have their plants, which have been built up while they served suburban communities, partly while these communities were outside the city limits. We have chosen to go to the Catskills for our great water supply. When we get it we shall discard our own Brooklyn supply, temporarily at least. And the question is, What is to become of the property and business of these private water companies which are operating in the city, which the city ought to acquire but for which it cannot possibly afford to pay an exorbitant price, especially since it has secured for the future a water supply elsewhere? We have to run a little miniature public-service commission in our department because under the charter, by a rather vague section but very general and inclusive, the commissioner is given jurisdiction as to the quality and quantity of the supply and as to the charges and regulations of the various private water companies operating within the city, and therefore we have this very unusual situation, where a department which is a potential competitor is, under the statute, the only public authority which is vested with the right to regulate the rates and practices of the companies with which it might possibly compete. You can imagine that, with the president of the American Water Works Association representing one of the companies, we are well put to it to see that justice is done but that the city does not get the bad end of the bargain.

Perhaps I might add one thing further in regard to the relation of the city to private water companies. Naturally, the problem of determining what the city shall pay for fire protection in the private water company territory is an interesting and complex one because in the nature of the case the city must pay something for this service, although on its own works it makes the consumer pay for it. In these parts, at least, there has been very little scientific investigation and determination of the actual minimum cost of fire service as compared with the cost of domestic service.

And while the city in the past, I fear, has been too rich to be economical, we are coming to a stage in our indebtedness and in the burdens that are upon us where there is danger of our becoming too poor to be honest. Between these two conditions you can see that it puts the administrators of the Water Department, who are attempting to be just and efficient, in a position where they cannot take very long vacations.

In conclusion, a question that I would like to put up to you is this: Do you think that the effluent of a modern sewage-disposal plant is good to drink; is it proper for the state of New York to put into the water supply of New York City the effluent of a modern sewage disposal plant? That is a live question just now, and if you gentlemen can give us an answer that will be effective either to stop the state from doing so, or to satisfy the people of New York that the effluent of a sewage plant is good to drink, we shall be greatly obliged to you.*

I thank you, gentlemen.

PRESIDENT METCALF. We are fortunate in having with us to-day Mr. Nicholas S. Hill, formerly chief engineer of the Department of Water Supply, some ten years or more ago, who during his term of office did, as many of you will recollect, a very noteworthy work in the detection of water waste in this city and in the study of that general problem of the waste in the use of water, and in the reorganization of the records of his department. Since then he has been actively engaged in private practice. To-day he comes to welcome us as president of a sister organization, the American Water Works Association.

I take pleasure in introducing to you Mr. Nicholas S. Hill.

MR. NICHOLAS S. HILL. *Mr. President, Fellow Members of the New England Water Works Association,* — Mr. Metcalf has relieved me greatly because I have been sitting thinking upon what score I would welcome you. Mr. Chadwick welcomes you to his million-dollar schemes of various kinds, with his reservoirs, aqueducts, pipe lines. Commissioner Wilcox welcomes you to the various activities of the Department of Water Supply.

* The Governor of the state of New York has decided to heed the protest of the city and see that other provision is made for the disposal of the sewage effluent than the one contemplated when this address was presented. — D. F. W.

The only thing that I really know that I can do is to welcome you as a fellow member of the New England Water Works Association who is in deep sympathy with the work which you are doing and who appreciates the aims and objects of this Association.

As president of the American Water Works Association I hardly feel justified in welcoming you, because I think that the average member of the New England Water Works Association would say that that Association has just as much claim in New York as the American Water Works Association. I hope some time, however, and I believe the time will come, when there will not be an American Water Works Association and a New England Water Works Association, but there will be one grand, big association of all the water-works interests of the United States, in which every man who has the common interest and the common cause of the water-works profession in his heart will unite for the benefit of that profession. I live in the hope of seeing that day, and I shall never rest comfortably until that day is at hand.

Now, gentlemen, I am sure that every one in the city of New York will welcome you. I can welcome you as a New Yorker, as an individual. I can welcome you as an engineer located in New York, as a member of the local profession. I am sure every one here will welcome you, will be glad to see you. We shall be glad to see you in our office. I am sure you will find every office in New York open to you, and you will find that the average New York business man is not so busy that he has not the time always to welcome those whom he is glad to see.

President Metcalf in response to the addresses of welcome spoke as follows:

As the representative of this organization, it gives me pleasure to acknowledge the friendly words of welcome which you gentlemen have brought to us. The casual visitor has long recognized New York as a most delightful place to visit, and for the past ten years the engineers of the country have recognized it as the busiest city in the country, one of the busiest cities in the world, in an engineering way. To the water-works men also it has been for the past ten years a Mecca. Work of tremendous interest has gone on here, involving all of the more important problems

incident to bringing into the city a new source of water supply, and many very novel problems have been met here in a very creditable way. The work reflects great credit not only upon its projectors but on its designers and builders, and there is good reason to hope that it will do so equally upon those in whose hands will rest the administration of the works hereafter. The city administration and the city administrators may well be proud of this great work and their connection with it. To those familiar with the *esprit de corps* which has been built up in the engineering force, which has had active charge of the conduct of this work, by Mr. J. Waldo Smith and his associates, there is great encouragement, for it seems to me that it has been shown here that a great American city can conduct its public works of such a nature not only in an efficient but in a highly economical manner. The problem has been studied with great thoroughness in advance of construction, and economy has been reflected as a result of this, in the actual building of the works.

Gentlemen, I congratulate you upon the fruition of your efforts, the planning, the financing, and the building of these great works.

This organization is an organization of water-works men, largely water-works superintendents. It is run by water-works men, for the best interests of water-works construction in this country. And it is perhaps not unnatural that we in New England, and members of this organization particularly, the New England Water Works Association, should feel some sense of pride in the influence which that organization has exercised in the raising of standards of construction in the water-works field; for if you will look down the roster of the engineers and the water-works men in the different branches of the service in your city, I think you will be struck by the fact that many of the men had been previously trained in New England. Consider, for instance, the part played by some of the consulting engineers to your works. First, Mr. Kirkwood's name occurs to me; Mr. Cheseborough, Mr. Fetley, Mr. Davis, Mr. Herschel, Mr. Stearns, Mr. Freeman, Mr. Hazen, Mr. Fuller, Mr. Whipple, Mr. Jackson, and others. And on the active staff, J. Waldo Smith, chief engineer, and Mr. Alfred D. Flinn, his able deputy; Carleton E.

Davis, one of the division engineers now running the Water Department of Philadelphia; Mr. Winsor, recently called to Providence; Spear, Wells, Wiggin, Moore, Wheeler, and many more whom I might mention, going down the line. It seems to me, gentlemen, that that is of great significance to all of us, because it means practically that in the water-works field we are in this country getting good, efficient administration, progressive development; men are being advanced from the work in the small communities to that of the larger communities, and finally to the works of the largest cities in the country. The influence is very far reaching, the importance of the study, the careful, intelligent study, of such a large work as this work here is tremendous in the development of first-class standards of practice. In spite of all that has been said of German efficiency and the efficiency in the handling of municipal work across the water, I believe it is an absolute fact in the water-works field, amongst the superintendents and engineers alike, you find in this country a genuinely cordial spirit, a spirit of coöperation, which is unparalleled the world over — and I have had opportunity to judge somewhat of the conditions on the Continent and in Great Britain. I believe it is due in no small measure to the activities of such societies as these, — the New England Water Works Association, the American Water Works Association, the American Society of Civil Engineers, and others. It is earnestly to be hoped that this spirit of coöperation may continue to the advantage of the work, of the public, and of the water-works men themselves.

To the visitors to this convention I would say, — you are most welcome. We hope that you will find in the proceedings of this convention matters which may be of interest to you and which may lead to your taking an active part in its affairs. All that we desire is to make the society of the greatest possible service to the men working in this field of activity.

To the members I want to express the hope that while this convention is in session you will work together and play together, and that the distractions of this great city may not serve to lead you astray.

It is with deep regret that I have to bring to your attention at this time the loss of one of our foremost and ablest members,

a man who had served us in the capacity of president of this organization, who had done a very active work upon a number of its committees, who had devoted himself largely during his lifetime to the betterment of the standards of water-works practice and in working for this society, a man who was much beloved and greatly honored by all of you, I know. I refer, of course, to Dexter Brackett, chief engineer of the Metropolitan Water Works, Boston, who recently died.

In conclusion I wish to express my personal obligation to the members of the Committee on Arrangements, for the work they have done in the preparation for this convention. Work of that sort is most exacting. Things do not take care of themselves; they have to be thought of beforehand and the necessary arrangements made. Unfortunately, in this respect, I chanced to have been on the Pacific Coast since early in May, and it was not possible for me to take the active part which I should otherwise have hoped to have done in that period. But I am sure that nothing will be lost to you in this convention as a result of my absence, for the committee has been most active. And I hope that when the convention is over you will be able to say that it has lived up to the high standard of the conventions of this Association.

I want to say just a word in recognition of the work of the *Engineering Record* in getting out this water-works daily, which it has so kindly prepared for you. It seems to me that it is a welcome and valuable innovation in our convention activities.

Our appreciation is also due to the courteous work of the *Engineering News*, which presents to the membership with its compliments this pamphlet upon the water works and other engineering features of New York City, which I feel sure you will all be interested in glancing over.

I am glad to be able to announce that we have twenty-nine additional applications for membership, which, with the added number of members who have come to us from the American Water Works Association, brings our membership up to somewhere about 965, and with a little greater effort, gentlemen, we should be able to pass the one thousand mark this year, and so increase the capacity for service of this Association.

In passing, I call attention to certain papers which have been omitted from the program, or, rather, which came too late for announcement. The first is a paper on the "Sanitation of a Large Watershed," by Mr. George G. Honness, department engineer of the Board of Water Supply, which will be presented after Mr. Smith's talk upon the Catskill water supply; the second, on "Wire Fences with Concrete Posts," by Ralph N. Wheeler, department engineeer of the Board; "Forestration of Watersheds, Detail Methods," by Sidney K. Clapp, assistant engineer of the Board of Water Supply; and finally, "Grubbing a Large Reservoir," by George A. Winsor, section engineer of the Board of Water Supply.

The Secretary read the following names of applicants for membership, all of which had been properly endorsed and approved by the Executive Committee:

Active: Jesse F. Barrett, of Peabody, Mass., water department; James R. McClintock, of Plainfield, N. J., engineer and sanitary expert; Charles M. Clark, of New York, aqueduct commissioner of the Board of Water Supply; R. L. Dobbin, of Peterborough, Ont., superintendent; G. Gale Dixon, of Kent, Ohio, engaged on the barge canal, Catskill Aqueduct, and improved water works for Akron, Ohio; W. H. Dittoe, of Columbus, Ohio, engaged in sanitary engineering as chief engineer of the Ohio State Board of Health; J. S. Dunwoody, of Erie, Pa., in charge of water sterilization plant, Erie, Pa.; Louis A. Fournier, of San Jose, Costa Rica, C. A., assistant engineer Pacific Railroad, 1910–1911, member Inst. Eng. Congress of California, 1915; James F. Hayden, of Brooklyn, N. Y., inspecting hydrants, valves, pipes, etc., used as water conveyors; Edgar Hodges, of Johnstown, N. Y., superintendent of water works; Charles D. Howard, of Concord, N. H., in charge of public water-supply inspection; Edmund A. Pratt, of New York City, civil engineer; H. W. Parkinson, of Rockhampton, Queensland, Rockhampton water works; James D. Stover, of Dallas, Tex., now secretary of water department, Dallas; Arthur Surveyer, of Montreal, Canada, general consulting practice; John A. Switzer, of Knoxville, Tenn., L. H. Van Buskerk, of Columbus, Ohio, assistant sanitary engineer of the Ohio State Board of Health, now director of the division of laboratories; M. L. Worrell, Meridian, Miss., water works, meter reading to management, twenty-nine years; W. H. Yates, of New York City,

consulting engineer; Nisbet Wingfield, of Augusta, Ga., general municipal work, construction, and operation. — 20.

Associate: Ralph L. Shainwald, Jr., waterproofing design and general engineering; H. W. Clark, manufacturer water-works appliances; Pittsburg Filter Manufacturing Company, of Pittsburg, Pa., filter manufacturing and construction; Sanitation Corporation of New York; Wallace & Tiernan Company, Inc., of New York; Merritt & Chapman Derrick and Wrecking Co. of New York; Anderson & White, of New York; American Cast-Iron Pipe Co., Birmingham, Ala., manufacturers of cast-iron water and gas pipes; *Engineering and Contracting*, Dearborn Street, Chicago. — 9.

On motion, the Secretary was empowered to cast the ballot of the Association in favor of the candidates, and he having done so they were declared by the President duly elected members of the Association.

On motion of Mr. C. E. Davis, it was voted that the President be authorized to appoint a nominating committee of five members to nominate officers for the ensuing year. The President subsequently appointed as members of the committee the following gentlemen: F. A. McInnes, E. W. Kent, J. Waldo Smith, E. E. Lockridge, A. E. Blackmer.

PRESIDENT METCALF. If there is no further business to come before the meeting we will listen to the first address of the convention, which is upon "The Present Status of the Catskill Water Supply for New York City." Mr. J. Waldo Smith is too well known and beloved by the membership of this Association to require introduction by me.

Mr. J. Waldo Smith then addressed the convention on "The Present Status of the Catskill Water Supply for New York City," with stereopticon illustrations.

Mr. George G. Honness, department engineer of the Board of Water Supply, followed with a paper on "Sanitary Improvement of a Large Watershed," after which the Association adjourned till two o'clock P.M.

Afternoon Session, September 7, 1915

[Present, 107.]

The afternoon session opened with a paper by Mr. Henry A. Symonds, consulting engineer with Hanscom Construction Company, Boston, on "Leadite Joints for Water Pipes," this paper being immediately followed by the paper of Mr. W. C. Hawley, chief engineer and superintendent, Pennsylvania Water Company, Wilkinsburgh, Pa., on "Leadite as a Material for Joints." The subject treated in the two papers was discussed by the following gentlemen: Mr. J. M. Diven, Troy, N. Y.; Mr. Frank L. Fuller, Boston, Mass.; Mr. D. A. McCrudden, Philadelphia, Pa.; Mr. George H. Finneran, Boston, Mass.; Mr. George F. Merrill, Greenfield, Mass.; and Mr. A. E. Martin, Springfield, Mass.

The next paper on the program was entitled, "Laying Water Pipe in Congested Streets in New York City," by M. Platt, assistant engineer, Department of Water Supply, Gas and Electricity, New York, N. Y., which was discussed by Mr. J. M. Diven, of Troy, N. Y., and President Metcalf. The paper was illustrated by stereopticon slides.

In the absence of Mr. E. G. Hooper, his paper on "Location of Leaks in Submarine Pipe Lines" was read by Mr. F. B. Nelson, assistant engineer, Department of Water Supply, Gas and Electricity, New York.

"Tests of Leakage from Lead Joints" was the subject of a paper by Arthur H. Smith, engineer, Associated Factory Mutual Fire Insurance Companies, Boston, Mass. The paper was discussed by Mr. George H. Finneran, Boston, Mass.; Mr. Frank L. Fuller, Boston, Mass.; Mr. Walter E. Spear, New York, N. Y.; Mr. Henry A. Symonds, Boston, Mass.; Mr. Morris Knowles, Pittsburg, Pa.; Mr. Irving S. Wood, Providence, R. I.; Mr. A. E. Martin, Springfield, Mass.; Mr. George A. Stacy, Marlboro, Mass.; Mr. George F. Merrill, Greenfield, Mass.; Mr. Frank L. Fuller, Boston, Mass.; Mr. W. C. Hawley, Wilkinsburg, Pa.; Mr. Edward D. Eldredge, Onset, Mass.; Mr. William F. Sullivan, Nashua, N. H. Mr. Sullivan accompanied his remarks by a motion, which was duly adopted, that a committee be appointed to investigate experience in the leakage of pipe joints. The com-

mittee which was later appointed by the President was made up as follows: F. A. Barbour, chairman; C. E. Davis, S. E. Killam, C. M. Saville, H. B. Machen, and A. H. Smith.

The discussion of this paper concluded the afternoon session.

EVENING SESSION, SEPTEMBER 7, 1915.

[Present, 88.]

The evening session was opened by Mr. Harry W. Clark, who read a paper on "Double Sand Filtration of Water, at South Norwalk, Conn.," the paper being accompanied by stereopticon views. The discussion following the paper was participated in by Mr. J. S. Dunwoody, of Erie, Pa.; Mr. Allen Hazen, of New York; Mr. S. S. Hatch, of South Norwalk, Conn.; Mr. Daniel D. Jackson, of New York; Mr. L. M. Hastings, Cambridge, Mass.; Mr. J. M. Diven, Troy, N. Y.; Mr. A. E. Martin, Springfield, Mass.

The next paper of the evening was by Francis F. Longley, consulting engineer, New York, on "Salem and Beverly Water Supply," this paper also being accompanied by stereopticon views, and being discussed by Mr. L. M. Hastings, of Cambridge, Mass.; Mr. J. M. Diven, of Troy, N. Y.; Mr. D. W. French, of Weehawken, N. J.; Mr. James W. Blackmer, of Beverly, Mass.; Mr. Morris Knowles, of Pittsburg, Pa.

The session adjourned to 9.30 A.M., Wednesday, September 8, 1915.

MORNING SESSION, WEDNESDAY, SEPTEMBER 8, 1915.

[Present, 105.]

As the first item of business, the Secretary presented a supplementary list of applications for membership, endorsed and approved by the Executive Committee, as follows:

Active: E. E. Miller, Palisade, N. J., engaged in designing and testing engines, and assistant superintendent power plant of Hackensack Water Company; William J. O'Sullivan, M.D., of New York, practicing physician and counsel in litigations involving problems in sanitation; J. Bosley Thomas, Baltimore, Md., in charge of the laboratories of the Baltimore City Water

Department and assisting in operation; Harold C. Stevens, Sea Cliff, N. Y., civil and hydraulic engineering; Wesley W. Albee, Augusta, Me., superintendent and engineer, Augusta Water District; Arthur H. Smith, Arlington Heights, Mass., engineer Factory Mutual Fire Insurance Companies; Edward W. Henry, Jersey City, N. J., superintendent of meter department, Jersey City Water Works; George I. Oakley, Little Falls, N. Y., city engineer; B. G. Michel, Carleton Place, Ont., Canada, municipal engineer; Alvin Bugbee, Trenton, N. J., engineer of Water Department; George F. Catlett, chemist, Board of Health, Wilmington, N. C. — 11.

On motion duly made and seconded, the Secretary was empowered to cast the ballot for these members, and upon his doing so they were declared by the President duly elected members of the Association.

MR. CHARLES W. SHERMAN. Mr. President, in the intervals between sessions I have been again and again spoken to by different members about Mr. Dexter Brackett. The general feeling of regret at his loss is so marked, and especially the regret that the Association has not honored Mr. Brackett as it would have liked to do could it have foreseen what was coming, has been expressed so strongly, that it has occurred to a few of us that possibly something special might be done that would keep his memory green before us, and of such a nature as would be pleasing to Mr. Brackett himself, could he know of it. I don't think we want to take any ill-considered or hasty action on a thing of this sort, but it has occurred to me that the question of a memorial be referred to the committee on memoir which you are about to appoint, asking them to report at a subsequent meeting what, after due consideration and inquiry among the members, seems to them the most desirable form. As a mere suggestion, it has occurred to a few of us that possibly a memorial fund might be raised by subscription, the income to be used annually either for a prize for a paper of a certain character, for committee research, or for otherwise advancing the business of the Association, which Mr. Brackett had so deeply at heart. As I see it at the moment, it appears to me that, if such a fund were established, its general principles might be stated in the constitution of the fund, and the precise application for each particular year be left to the

Executive Committee for that year. Perhaps for one year it might be used to advance certain committee work, for another year it might be used as a prize for a paper, and in other years it might take still other forms. On the other hand, it might be specifically set aside for a prize or medal to be awarded year after year. I offer a motion that the committee on memoir to Mr. Brackett be requested to consider the desirability of a suitable memorial fund.

Mr. Frank C. Kimball. In rising to second that motion I would like to say that those of us who have had more or less to do with Mr. Brackett, who have known of his active interest in this Association, and who know his work, his love, if you please, for the Association, feel that nothing could be more fitting, nothing would please him better, if he were in a position to choose for himself, than to have something of this kind carried on by the Association to perpetuate his name; and I think that the thing for the Association to do is to adopt some memorial of this kind with his name attached, so that his memory will remain with us. I second the motion.

President Metcalf. It is moved and seconded, then, that the memorial committee, to be appointed by the President, give consideration to the question of a suitable memorial to Mr. Brackett, — bearing in mind the suggestions made by Mr. Sherman as to the form which it might take, — and that the committee report at a later meeting to this Association.

(The motion was adopted, and the President appointed as the committee Mr. Frederick P. Stearns, Mr. Alfred D. Flinn, and Mr. Allen Hazen.)

President Metcalf. I have also to announce, and do so with great pleasure, that the Executive Committee suggests to your favorable consideration the election to honorary membership of three men, very active members of this Association, all of them past presidents of the Association, all of them having established reputations for sound management of the water works of which they have had charge. I refer to Mr. Edwin C. Brooks, who became a member of this Association on February 10, 1897, and served as president in the year 1904; who was first engineer at one of the stations of the Cambridge plant, I believe, and

thereafter superintendent of those works, and who made a very good record for himself in their administration. He is now retired and living in Melrose. I had hoped he might be here at this convention but is not.

The second is Mr. George A. Stacy, superintendent of the Marlboro Water Works, who became a member on April 21, 1888, and who served as president in the years 1894 to 1895. He has also served as vice-president and member of the executive committee for many years. He has played a very active part in the councils of this Association.

The third member, Mr. Robert J. Thomas, became a member of the Association in June, 1892, and served as president at the time of the last convention which was held in this city, in the year 1909. He has served also as the president of the American Water Works Association and, as you all know, has been very active in the work of this Association, having for years played a very active part upon the Fire Protection Committee, whose work resulted in the development, perhaps, of the Hersey detector meter, and devices of that sort. He served also as advertising agent of the Association from 1901 to 1908, and again from 1910 to 1911, and has taken, as you all know, a very active part in the work of the Association. He has been superintendent of the Lowell Water Works since 1887, with the exception of three years when the political wheel of fortune turned him out.

The Chair will be very glad to entertain any motion in regard to this recommendation of the Executive Committee.

MR. J. M. DIVEN, of Troy, N. Y., moved that the recommendation of the Executive Committee be adopted and that the Secretary cast the ballot of the Association for the gentlemen named, and the motion being duly seconded was adopted, and the Secretary cast the ballot as directed, the gentlemen being declared elected honorary members of the Association.

PRESIDENT METCALF. If there is no further business to come before the convention we will proceed to the first paper of the morning, upon "Reasons for Adopting Solid Wedge Type of Valve in Boston." Before opening the discussion the Chair would like to suggest to the convention the query whether it might not be of advantage to us in a matter of this sort to open

the floor to the associate members, who might be able to contribute to the discussion upon this subject. It seems to me that the subject is a broad one and one upon which we should be glad to have the manufacturers' point of view as well as the point of view of the user of the valves. Does the convention care to take any action along this line?

MR. J. M. DIVEN. I move that the manufacturers, or representatives of manufacturers, of valves be accorded the privilege of the floor for the discussion of this paper. I am not sure, in making this motion, whether it is in conflict with the constitution or not.

PRESIDENT METCALF. The Chair would rule that it is not in conflict with the constitution — certainly not with the spirit of the constitution — for, after all, in a matter of this sort, all that we wish to do is to get at the truth, and any light which can be shed upon the question we wish to have.

It is moved and seconded that the discussion of these papers upon the subject of the relative desirability or advantages and disadvantages of the solid wedge type of gate or the disk type of gate, be opened to the associate members.

The motion was adopted.

Mr. George H. Finneran, assistant superintendent, water service, Boston, Mass., then read the first paper of the morning, "Reasons for Adopting Solid Wedge Type of Valve in Boston." Discussion of the subject was postponed until after the reading of the paper entitled, "Reasons for Using the Double Disk Type of Valve," by John M. Diven, superintendent of water works, Troy, N. Y. The discussion of the subject included, in addition to the authors of the papers, remarks by Mr. Frank L. Fuller, of Boston, Mass.; Mr. A. O. Doane, of Boston, Mass.; Mr. Morris Knowles, of Pittsburg, Pa.; Mr. W. C. Hawley, of Wilkinsburg, Pa.; Mr. John H. Gregory, of New York, N. Y.; Mr. Frank C. Kimball, of Summit, N. J.; Mr. Robert J. Thomas, of Lowell, Mass.; Mr. W. C. Tannatt, Jr., of Easthampton, Mass.; Mr. D. A. McCrudden, of Philadelphia, Pa.; Mr. Frank L. Fuller, of Boston, Mass.; and Mr. Caldwell, a representative of one of the associate members; Mr. Patrick Gear, of Holyoke, Mass.; Mr. A. E. Martin, of Springfield, Mass.

The next paper of the morning was by F. B. Nelson, assistant engineer, Department of Water Supply, Gas and Electricity, New York, Mr. Nelson's subject being "Testing Meters with Reference to Curves of Accuracy and Friction Loss." The paper was discussed by Mr. Caleb M. Saville, Hartford, Conn.

The next paper in order was read by Mr. Alfred Williamson, mechanical engineer, Department of Water Supply, Gas and Electricity, New York, being entitled, "Electrically Operated Valve Installations and Their Control from a Distance," the paper being illustrated by stereopticon views. Mr. William F. Sullivan, of Nashua, N. H., discussed the paper.

Mr. James F. Sanborn, of New York, next read a paper by Mr. Ralph N. Wheeler, department engineer of the Board of Water Supply, New York, entitled, "Wire Fences and Concrete Posts," which closed the morning session.

EVENING SESSION, SEPTEMBER 8, 1915.

[Present, 120.]

The first paper of the evening, by Mr. H. D. Havill, assistant engineer, Department of Water Supply, Gas and Electricity, New York, was entitled, "Pump-Slip Tests as an Aid to Efficiency in the Operation of Pumping Engines."

Mr. Wilson Fitch Smith, division engineer, Board of Water Supply, New York, then read a paper, illustrated by numerous stereopticon slides, on "The Kensico Reservoir of the New York Water Supply."

The next paper of the evening, entitled, "Decolorization of Water by Storage," was by Ralph H. Stearns, civil engineer, Boston, and was followed by discussion on the part of the following gentlemen: Messrs. Alexander Potter, New York; Edward D. Eldredge, Onset, Mass.; Allen Hazen, New York; Daniel D. Jackson, New York; W. C. Tannatt, Jr., Easthampton, Mass., and a written communication by Mr. Robert S. Weston, of Boston.

The next paper was a paper by Mr. T. C. Culyer, assistant engineer, Department of Water Supply, Gas and Electricity, New York, entitled, "Costs and Results Obtained in Reforestation of the Croton Watershed." Another paper on the same subject was contributed by Sidney K. Clapp, assistant engineer

of the Board of Water Supply, the paper being entitled, "Forestation of Watersheds, Detail Methods." The subject of the two papers was discussed by Mr. Caleb M. Saville, of Hartford, Conn.; Mr. Edward E. Minor, New Haven, Conn.; Mr. William F. Sullivan, Nashua, N. H.; Mr. Wilson F. Smith, New York.

The final paper of the evening was contributed by Mr. W. F. Laase, being entitled, "Infiltration Galleries as a Source of Water Supply on Long Island." The paper was discussed by Alexander Potter, of New York, and Walter E. Spear, of New York, after which the session adjourned.

MORNING SESSION, THURSDAY, SEPTEMBER 9, 1915.

[Present, 60.]

As the first business of the morning the Secretary read the following names of additional applicants for membership:

Active: L. Van Gilder, Atlantic City, N. J., engineer and superintendent of water department; John W. Murphy, Malden, Mass., in charge of the meter system; B. F. Sonder, Atlantic City, N. J., of the water department. — 3.

On motion of Mr. J. M. Diven, Mr. R. C. P. Coggeshall was empowered to cast the ballot of the Association in favor of the candidates, and, he having done so, they were declared by the President duly elected members of the Association.

The President announced that the number of active members in attendance at the convention had reached 578.

MR. CHARLES W. SHERMAN. Mr. President, On behalf of the Committee of Arrangements of this excursion I want to offer the following vote:

"That the thanks of the Association be extended to his Honor Mayor Mitchel, Police Commissioner Woods, Board of Water Supply Commissioner Chadwick, and Deputy Commissioner Wilcox of the Department of Water Supply, Gas and Electricity; to *Engineering News* for its book on the water works, and to *Engineering Record* for its daily convention record; to the gentlemen not members of the Association who have presented papers and taken part in the discussions; and to the Water Works Manufacturers' Association and the other associates and members whose generous contributions to the entertainment fund have made possible the entertainment features of this convention."

In presenting this motion I want also to say a word which I did not see how to incorporate properly in the motion, but which I think ought to be brought to the attention of the convention, relative to the manner in which the entertainment and exhibition features of the convention have been handled this year, — somewhat different from anything we have done before. Hitherto we have depended entirely on our own committees to administer the exhibits, and on voluntary contributions solicited from members and associates for the entertainment fund. This year we entered into a coöperative arrangement with the Water Works Manufacturers' Association, as a trial on both sides, — not putting the thing actually in charge of the Manufacturers, but accepting a contribution from them with the understanding that none of their members should make any further contribution to the entertainment fund, and appointing an Exhibit Committee, from our own members, to be sure, but practically a Manufacturers' Association Committee, to look out for the exhibits. From all the comments that I have heard, and from the experience of the Committee of Arrangements, this seems to have worked out to the entire satisfaction of all concerned. And I want to express the appreciation of the Committee of Arrangements for the cordial coöperation of the Manufacturers' Association, not only in their contributions, but in making the arrangements and in working out the convention.

The motion, being duly seconded, was adopted.

The first paper of the morning was read by Mr. Russell Suter, assistant civil engineer, Conservation Commission, Albany, N. Y., and was entitled, "Control of Public Water Supplies by the Conservation Commission of the State of New York." The paper was discussed by Mr. J. M. Diven, of Troy, N. Y.; Mr. Morris Knowles, of Pittsburg, Pa.; Mr. G. L. Waters.

The next paper of the morning, by Harold K. Barrows, of Boston, Mass., was entitled, "Improvements to the Fall River Water Supply," and was illustrated by numerous stereopticon views. The paper was discussed by Mr. Frank L. Fuller, of Boston, and Mr. Percy R. Sanders, of Concord, N. H.

On motion of Mr. Frank L. Fuller, the convention adjourned.

EXECUTIVE COMMITTEE.

Meeting of the Executive Committee, Wednesday, April 7, at 11 A.M.

Present: President Leonard Metcalf, and members Edwin C. Brooks, Samuel E. Killam, Willard Kent, Richard K. Hale, Lewis M. Bancroft, and George A. King.

Voted, on motion of Mr. King, seconded by Mr. Bancroft, that the June Excursion be a trip down the harbor.

Voted, that the President be and hereby is authorized to appoint a committee on the June Excursion.

Adjourned.

Attest: WILLARD KENT, *Secretary.*

Meeting of the Executive Committee of the New England Water Works Association on steamer *Mayflower*, Boston Harbor, Wednesday, June 16, 1915.

Present: James Burnie, George F. Merrill, Charles W. Sherman, William F. Sullivan, Lewis M. Bancroft, George A. King, and Willard Kent.

Eighty-two applicants for membership were received, and the applicants were by unanimous vote recommended therefor.

Two (2) applicants — one active and one associate — were reinstated to membership, they having complied with the requirements of the Constitution.

Adjourned.

Attest: WILLARD KENT, *Secretary.*

Meeting of the Executive Committee of the New England Water Works Association at Hotel Waldorf-Astoria, New York, Tuesday, September 7, 1915, at 9.30 A.M.

Present: President Leonard Metcalf, and members James Burnie, Carleton E. Davis, George F. Merrill, Charles W. Sherman, William F. Sullivan, Samuel E. Killam, Richard K. Hale, George A. King, and Willard Kent.

Twenty-nine applications for membership and nine for associates were presented, and it was unanimously voted to recommend these applicants for membership.

A communication from Mr. Alfred D. Flinn, written and received prior to the death of Mr. Dexter Brackett, recommending that Mr. Brackett, for his efficient work in behalf of the New England Water Works Association, be made an honorary member thereof, was presented.

Regret was expressed that on account of his death this action was impossible, and the recommendation made that some suitable action be taken by the Association in honor of his memory.

A communication from Mr. F. H. Newell, secretary of Committee on Engineering Coöperation, asking the concurrence of the Association, was read and, after discussion, Messrs. Carleton E. Davis, William F. Sullivan, and George W. Batchelder were constituted a committee on the subject.

Adjourned.

Attest: WILLARD KENT, *Secretary.*

Meeting of the Executive Committee of the New England Water Works Association at Hotel Waldorf-Astoria, New York, Wednesday, September 8, 1915, at 9.30 A.M.

Present: President Leonard Metcalf, and members James Burnie, Carleton E. Davis, George F. Merrill, Charles W. Sherman, William F. Sullivan, Samuel E. Killam, Richard K. Hale, George A. King, Caleb M. Saville, and Willard Kent.

Eleven applications for membership were presented, and they were by unanimous vote recommended therefor.

Adjourned.

Attest: WILLARD KENT, *Secretary.*

Meeting of the Executive Committee of the New England Water Works Association at Hotel Waldorf-Astoria, New York, Thursday, September 9, 1915, at 9.30 A.M.

Present: President Leonard Metcalf, and members James Burnie, Carleton E. Davis, George F. Merrill, Charles W. Sherman, William F. Sullivan, Samuel E. Killam, Richard K. Hale, George A. King, Caleb M. Saville, and Willard Kent.

Three applications for membership were presented, and they were by unanimous vote recommended therefor.

Adjourned.

Attest: WILLARD KENT, *Secretary.*

Metcalf & Eddy

14 Beacon Street, Boston, Mass. — Harris Trust Building, Chicago, Ill.

WATER SUPPLY AND SEWERAGE

Design — Construction
Supervision — Management
Reports — Valuations

WILL J. SANDO

Consulting, Hydraulic, Efficiency and Organization Engineer. Specifications, plans, inspection and tests for water works, hydro-electric and high-pressure fire service pumping plants.

629 Wells Building
MILWAUKEE, WIS.

NICHOLAS S. HILL, Jr., and S. F. FERGUSON

Consulting Engineers, Water Supply and Sewage Disposal. Evaluations and Reports. Laboratory for Analysis of Water and Sewage and for Testing Cement, Sand, Coal, and Metals. Steam and Hydraulic Power Plants.

100 Williams Street, New York

WILLIAM R. CONARD

Assoc. Amer. Soc. C. E. — Assoc. Mem. Amer. Soc. M. E.

322 High St., Burlington, N. J.

Inspections and Tests of Materials

SOUTHERN OFFICE

Maison Blanche Bldg., New Orleans, La.

R. C. HUSTON, C.E., Special Representative

INDEX OF ADVERTISERS.

	PAGE.
Ashton Valve Co.	xv
Buffalo Meter Co.	ix
Builders Iron Foundry	xi
Chadwick-Boston Lead Co.	xxiv
Chapman Valve M'f'g Co.	xviii
Clarke, H. W. Co.	xii
Coffin Valve Co.	xxv
Conard, Wm. R.	i
Dixon, Jos. Crucible Co.	xii
Donaldson Iron Co.	xxi
Eddy Valve Co.	xx
Engineering Record, The	xxvii
Fox, John & Co.	xxiii
Hayden, James F.	xii
Hays M'f'g Co.	xiii
Hersey M'f'g Co.	iv
Hill, Nicholas S., Jr., & S. F. Ferguson	i
Lead Lined Iron Pipe Co.	xxiii
Leadite Co.	xxvi
Ludlow Valve M'f'g Co.	xvii
Macbee Cement-Lined Pipe Co.	xv
Metcalf & Eddy	i
Mueller, H. M'f'g Co.	xiv
National Meter Co.	ii, iii
National Water Main Cleaning Co.	xii
Neptune Meter Co.	vi
New York Continental Jewell Filtration Co.	xxi
Norwood Engineering Co.	xv
Pitometer Company	x
Pittsburg Meter Co.	vii
Rensselaer Valve Co.	xix
Ross Valve M'f'g Co.	xv
Sando, W. J.	i
Smith, The A. P. M'f'g Co.	xxiii
Smith, B. F. & Co.	xii
Staples, George T.	xv

(Index continued on page xvii.)

Water Meters

FOR ALL WATER WORKS SERVICE

All Sizes, 5-8 to 60 inches

CROWN
EMPIRE
NASH
GEM
PREMIER

With the only reliable straight-reading register in the market

National Meter Company

84-86 CHAMBERS STREET
NEW YORK CITY

BOSTON 159 Franklin St. | CHICAGO 1223 Wabash Ave. | PITTSBURG 4 Smithfield St. | LOS ANGELES 411 So. Main St.
CINCINNATI 10 West Third St. | SAN FRANCISCO 681 Market St.

The NASH
GAS ENGINE and TRIPLEX PUMP

FOR

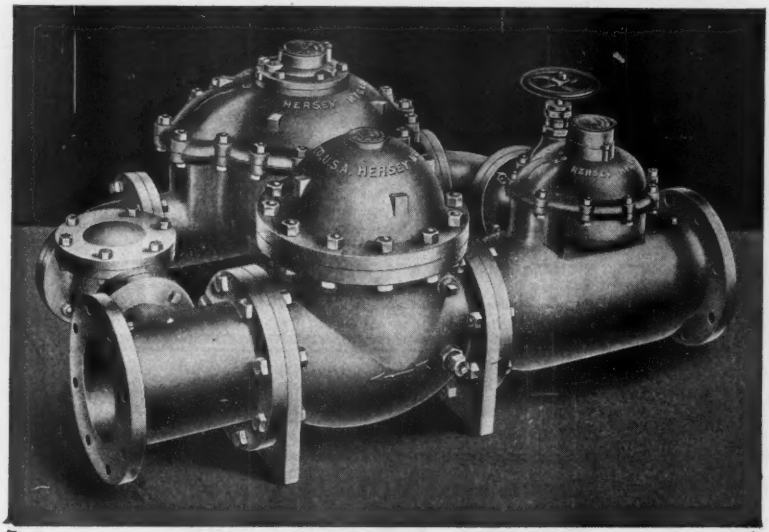
Town and Village Water Works and Pumping Service Generally

CAN BE ADAPTED FOR EITHER GAS OR GASOLENE

National Meter Company

84-86 CHAMBERS STREET, NEW YORK

BOSTON: 159 Franklin Street
PITTSBURG: 4 Smithfield Street
CINCINNATI: 10 West Third Street
CHICAGO: 1223 Wabash Ave.
SAN FRANCISCO: 681 Market Street
LOS ANGELES: 411 South Main Street



STOP WHOLESALE LOSSES

USE THE HERSEY DETECTOR METER ON FIRE SERVICES

THIS METER HAS BEEN ACCEPTED WITHOUT RESTRICTION
BY INSURANCE COMPANIES AND WATER WORKS
IN MORE THAN 500 CITIES AND TOWNS
IN THE UNITED STATES AND CANADA
FOR USE ON MORE THAN 3,000 FIRE SERVICES

Protecting over $1,000,000,000 Worth of Property

HERSEY MFG. COMPANY

Main Office and Works: South Boston, Mass.

Boston New York Philadelphia Chicago Columbus, O.
Atlanta San Francisco Los Angeles Portland, Ore.

"ALL KINDS OF METERS FOR ALL KINDS OF SERVICES"

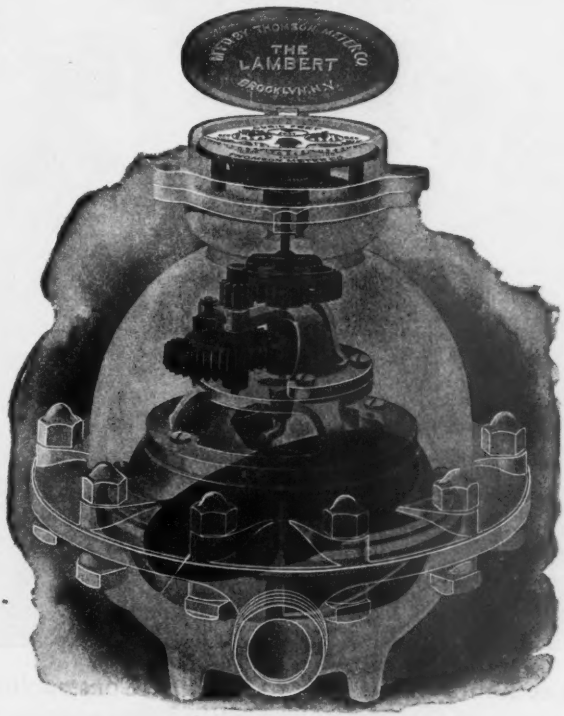
OVER 600,000 SOLD

ACCURACY, LONG LIFE,

Avoidance of Repairs

Are the Requisites of the Perfect Water Meter and are the Principal Features of the

"LAMBERT."



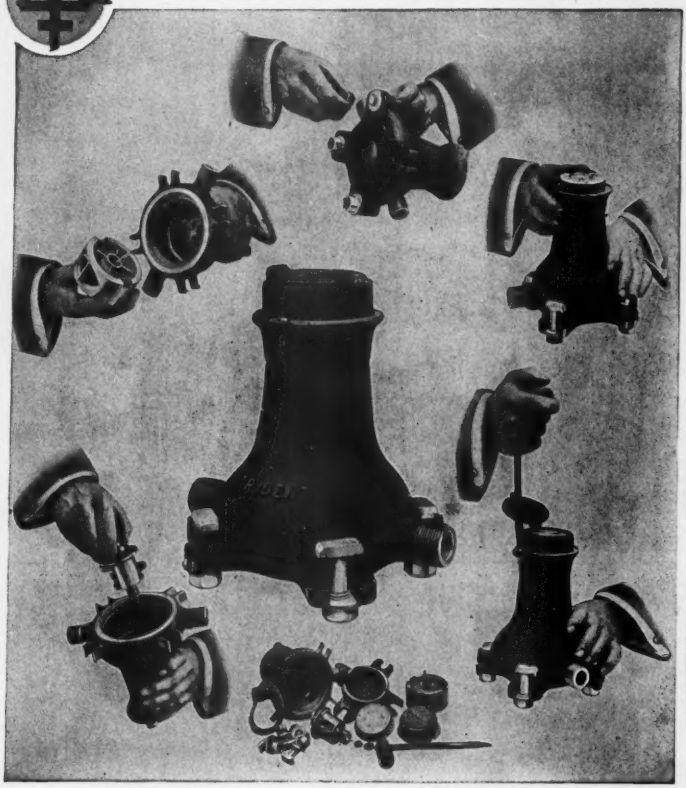
Our unbreakable disk-piston, reinforced with an internal steel plate, can be found only in the **LAMBERT METER.**

The growing popularity of the water-meter system is attributed by many to the inherent excellence of the **"LAMBERT"** meter. Where **"LAMBERT"** meters are selected, success is assured.

THOMSON METER CO.

100-110 BRIDGE ST.
BROOKLYN, N. Y.

TRIDENT WATER METERS



Assembling Simplicity of Trident Construction

The above cut shows a Trident-Disk Meter dismantled and the extreme ease with which it can be assembled, by first putting in the gear train, then the disk-chamber, the frost bottom next, then the register and register box and the meter is complete. The Trident combination wrench is the only tool necessary to use.

NEPTUNE METER COMPANY

90 WEST STREET NEW YORK

CHICAGO, BOSTON, SAN FRANCISCO,
ATLANTA, LOS ANGELES, PORTLAND, SEATTLE

"KEYSTONE" WATER METER

NEW YORK CHICAGO

Keystone and Eureka

Water Meters

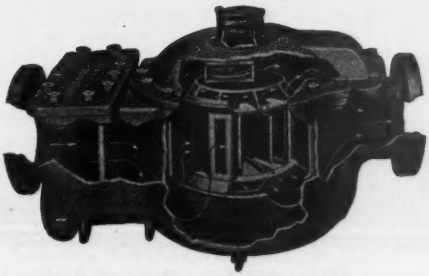
Pittsburgh Meter Co.

East Pittsburgh, Pa.

KANSAS CITY

COLUMBIA, S.C.

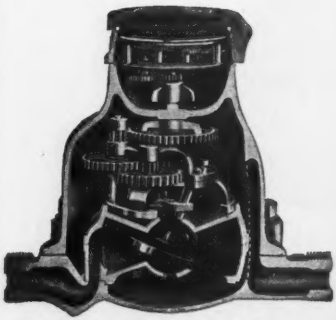
SEATTLE

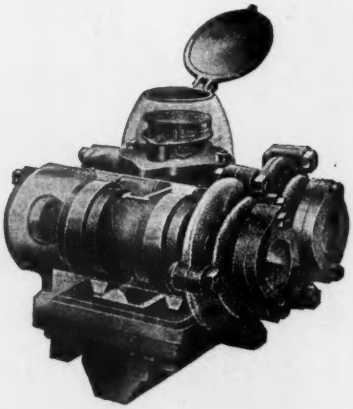


"EUREKA" WATER METER

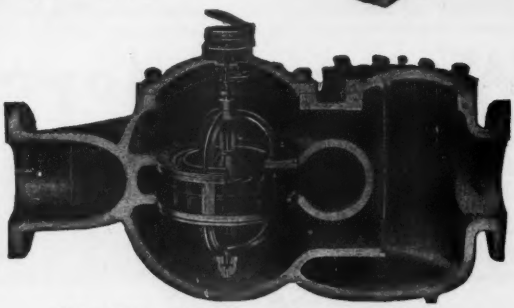
WORTHINGTON METERS

The Worthington Duplex Piston Meter is particularly adapted to large and heavy water works services.





The Worthington Disc Meter combines minimum weight with reliability on constant service and accuracy of registration.



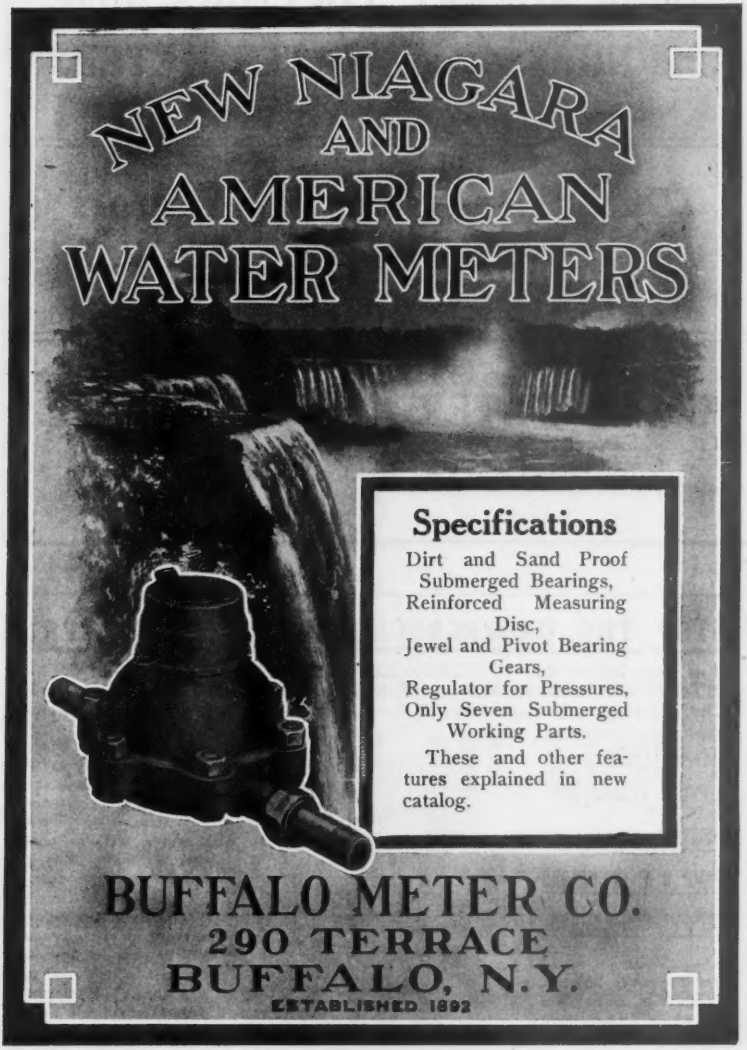
The Worthington Turbine Meter
is designed primarily to handle large volumes of water with minimum loss of pressure.

Full descriptions of the different types of Worthington Meters, with tables of sizes and capacities, are given in Bulletin W184–54.

HENRY R. WORTHINGTON
WORKS: HARRISON, N. J. New York Office: 115 Broadway

Boston Office: 465 John Hancock Building

W159.8



Distributers for New England

GEO. E. GILCHRIST CO.

106 HIGH STREET

BOSTON, MASS.

UNION ROTARY, COLUMBIA, DISC and NILO (Velocity) WATER METERS

Water Pressure Regulators
Waste Stops and Corporations

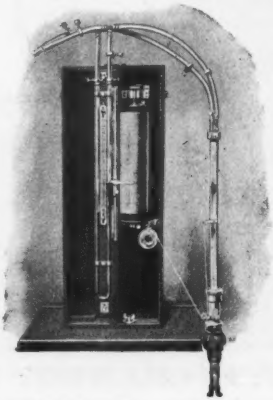
UNION WATER METER COMPANY
WORCESTER, MASSACHUSETTS

STOP THE UNDERGROUND WASTE OF WATER!

It is now known that UNDERGROUND leakage may be enormous. The PITOMETER is the most efficient Waste Meter known. Adopted by New York City, Washington, D. C., Chicago, St. Louis, Indianapolis, Pittsburgh, Memphis, etc.

PRISM
PHOTO RECORDERS
MANUAL RECORDERS
PUMP SLIP INDICATORS
STREET CONNECTIONS

The City of Washington, D. C., has found and stopped underground leakage amounting to over 30,000,000 gallons daily with our Pitometer. A saving worth $5,000,000 to the city.



The Pitometer is portable and will accurately indicate or record the flow of water in a pipe of any size, under any pressure, without cutting the main. Only a one-inch tap is needed.

We make water waste surveys for cities, or we sell or rent our instruments and help you to organize a Pitometer department of your own.

Write for Information

THE PITOMETER COMPANY, 25 Elm Street, New York

SCIENTIFIC CONSTRUCTION

of

GLOBE SPECIALS

1. Renders the castings comparatively light and compact.

2. Effects maximum resistance to bursting strains.

3. Makes possible the combination of a number of different branches in a single casting.

4. Avoids serious obstructions to the flow.

5. Reduces the cost of odd castings to a minimum.

Send for Catalogue **KW**

VENTURI METERS

Reduce operating expense in water works to a minimum

Send for Bulletin No. **84-W**

BUILDERS IRON FOUNDRY

PROVIDENCE **RHODE ISLAND**

H. W. CLARK CO.

122 South Seventeenth St., Mattoon, Illinois, U.S.A.

BRANCH OFFICES
NEW YORK SAN FRANCISCO CHICAGO

MANUFACTURERS

The Clark Meter Box — Meter Testers, Service and Valve Boxes, Valve Housings, and most everything for the Water Department.

Send for catalogues, prices, etc.

For the protection of Standpipes, Water Tanks, Gas Holders, Pipes, Fences, etc., nothing equals the long service of

DIXON'S
Silica-Graphite PAINT

BOOKLET No. 87-B.

Made in Jersey City, N.J., by the
JOSEPH DIXON CRUCIBLE CO.

Member of the American and New England Water Works Associations

12 years inspecting materials for the Dept's of Water, G. & E. and Bridges of New York City

JAMES F. HAYDEN

INSPECTION AND TESTS OF MATERIALS

1601 45th Street, Brooklyn, N. Y. City

SPECIALTY:

Inspecting materials for high and low pressure water systems, gas conveyors, structural steel, and cast iron for buildings and bridges, railroad supplies

C. D. Kirkpatrick S. P. Gates

Established 1878

B. F. SMITH & CO.

Incorporated

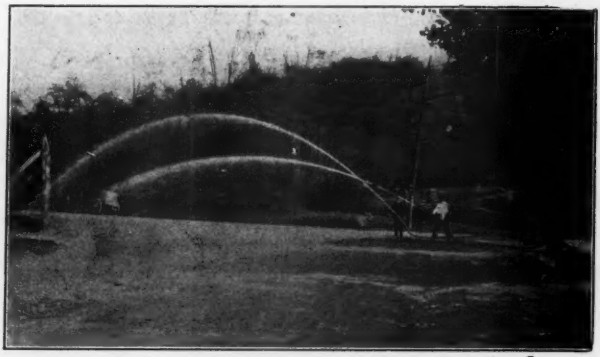
Artesian and Driven Wells, Foundation Borings

Engineers and Contractors for Municipal and Private Water Works

First National Bank Building

60 Federal Street **Boston, Mass.**

?



?

ENOUGH WATER?

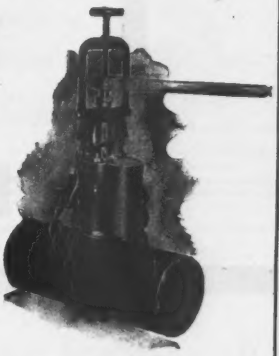
If not, it is probably because of lack of carrying capacity of your mains. Consult us.

Illustrated booklet upon request

NATIONAL WATER MAIN CLEANING CO.

50 Church Street **New York City**

Payne's Patent "NEW ECLIPSE" Tapping Machines

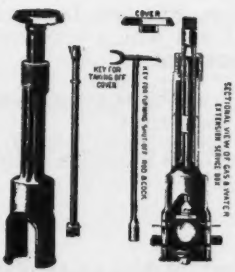


Do the best work, because they have

Few Working Parts
Compact
Simple in Construction
Light in Weight

We can prove these facts by sending a machine to you on thirty days' trial.

Long Main-End Corporation Cocks can be used



Makers of

High-Grade Water Works Brass Goods

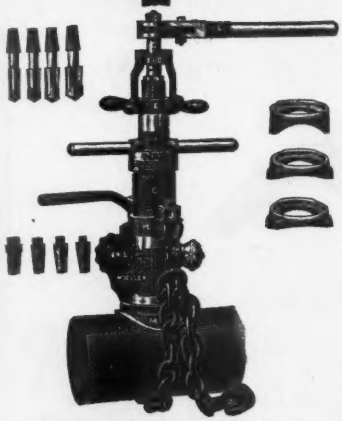
to suit every requirement

Experience of hundreds of water companies has proven that original "HAYS-ERIE" SERVICE BOXES give the best satisfaction

Ask for Samples and Prices

Hays Manufacturing Co. **Erie, Penna.**

MUELLER
WATER TAPPING MACHINES



Mueller No. 2 Machine

Has your Company a MUELLER machine?

If not—why?

There isn't a better investment in the Water Works line.

One machine will last from 20 to 30 years; and with a very low cost of maintenance.

MUELLER machines are simple, efficient and convenient.

Every machine is Unconditionally Guaranteed.

Write us to-day for our booklet on tapping machines, and our liberal exchange proposition on your old machine, if you have one. Over 90% of the tapping machines in use in the United States are MUELLER machines.

H. MUELLER MFG. CO.

DECATUR, ILL.

NEW YORK CITY
CHICAGO
SAN FRANCISCO
SARNIA, ONT.

WATER
FILTERS
REGULATORS
& ENGINES

We make **Pressure Regulating Valves** for all purposes, steam or water.

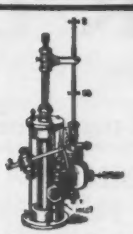
Our **Feed-Water Filter** will keep oil out of your boiler.

We can interest you if you use a condenser.

Water Engines for Pumping Organs

THE ROSS VALVE MFG. CO.

TROY, N. Y.



Standard for pumping church or parlor organs. Ask your organ builder for it or write us.

NORWOOD ENGINEERING CO.

FLORENCE, MASS.

MANUFACTURERS OF

"IMPROVED" WALKER FIRE HYDRANTS

ALSO THE OLD RELIABLE

"Holyoke" Gate Hydrant

LICENSED MANUFACTURERS OF

The Vivian Rate Controller

WRITE FOR CIRCULARS

CEMENT LINED

IRON PIPE AND FITTINGS

30 YEARS UNDER GROUND is common ¾ in. to 2½ in. dia. pipe

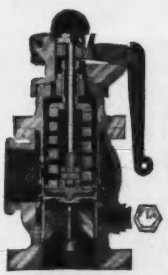
Continuous Cement Surface

MACBEE CEMENT LINED PIPE CO.

BOSTON, MASS.

THE *Farmer's Almanac* says to every Water-Works Official who has service pipes that are not delivering an ample supply of water that this is the time of year to clean them with STAPLES' SERVICE PIPE CLEANER, used by Cambridge, Lowell, Newton, Nashua, Holyoke, and other cities and towns.

GEO. T. STAPLES, Dedham, Mass.



No. 20. Valve for Stationary Boilers.

They set the Pace

ASHTON POP VALVES and... STEAM GAGES

No. 74. Recording and Indicating Gage.

Superior in Quality of material and workmanship, and with greatest efficiency and durability, they challenge comparison with any others on the market. Send a trial order subject to approval ONLY IF SATISFACTORY, and thereby prove the claims made for them. HIGH GRADE GOODS OUR EXCLUSIVE SPECIALTY.

The ASHTON VALVE CO., 271 Franklin Street, BOSTON, MASS.

R. D. WOOD & CO.

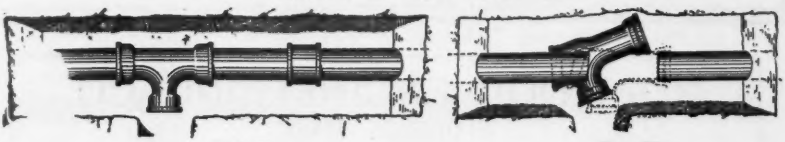
400 CHESTNUT STREET, PHILADELPHIA, PA.

Engineers, Iron Founders and Machinists

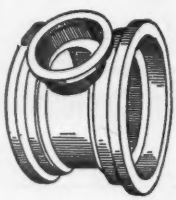
CENTRIFUGAL PUMPS
PUMPING ENGINES

Cast Iron Pipe

CUTTING-IN TEES



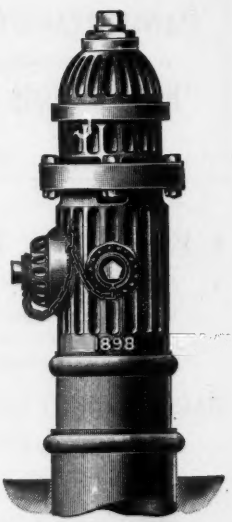
Old Way *Our Way*



Connections economically and easily made with one fitting. Saves sleeve, cuts, lead and unnecessary work and material.

"Reduced Specials"

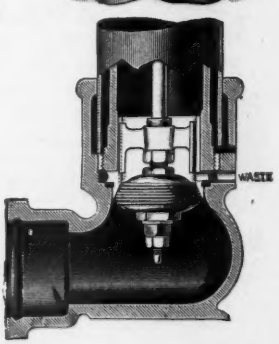
Cost of fittings reduced from 25% to 50%. Full strength. Deep bells. Convenient to handle. Sold by the piece.



Mathews Fire Hydrants

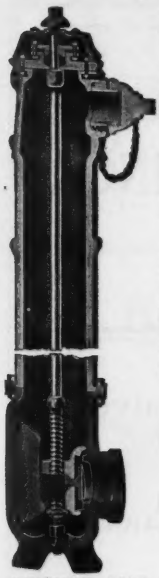
A half century of use has established their reputation as being the most economical, durable and simple hydrant.

Number in use exceeds total of all other makes combined.



Gate Valves

R. D. WOOD & CO. STANDARD
DOUBLE DISK
ANTI-FRICTION
EXTRA WEIGHT, FINISH
AND MATERIAL



THE LUDLOW VALVE MFG. CO.

MANUFACTURERS OF

VALVES and FIRE HYDRANTS

This hydrant is anti-freezing, because when the drainage is good no water is left in it to freeze.

The drip is directly in the bottom of the hydrant and drains perfectly. It is protected by its valve, which never leaves its socket and cannot be clogged.

DOUBLE AND SINGLE GATE VALVES,

ALSO CHECK VALVES,

FOOT VALVES.

FIRE HYDRANTS.

YARD, WASH, AND FLUSH HYDRANTS.

SEND FOR CIRCULARS.

OFFICE AND WORKS: FOOT OF ADAMS STREET, TROY, N. Y.

BRANCH OFFICES:

NEW YORK	PHILADELPHIA	BOSTON	PITTSBURGH	CHICAGO	KANSAS CITY
62 GOLD ST.	HARRISON BLDG.	OLIVER BLDG.	1ST NAT. BANK BLDG.	THE ROOKERY	VICTOR BLDG.

INDEX OF ADVERTISERS (*Continued*).

	PAGE.
Thomson Meter Co.	v
Union Water Meter Co.	x
U. S. Cast Iron Pipe and Foundry Co.	xxii
Warren Foundry and Machine Co.	xix
Water Works Equipment Co.	xxv
Wood, R. D. & Co.	xvi
Worthington, Henry R.	viii

CLASSIFIED DIRECTORY OF ADVERTISEMENTS.

ARTESIAN AND DRIVEN WELLS.

B. F. Smith & Co. . . . xii

BRASS GOODS.

Hays M'f'g Co. . . . xiii
H. Mueller Mfg. Co. . . . xiv
The A. P. Smith M'f'g Co. . . . xxiii
Union Water Meter Co. . . . x

CAST IRON PIPE AND SPECIALS.

Builders Iron Foundry . . . xi
Donaldson Iron Co. . . . xxi
John Fox & Co. . . . xxiii
U. S. Cast Iron Pipe and Foundry Co. . . . xxii
Warren Foundry and Machine Co. . . . xix
R. D. Wood & Co. . . . xvi

CEMENT-LINED PIPE.

Macbee Cement-Lined Pipe Co. . . . xv

(*Index continued on page xx.*)

THE CHAPMAN VALVE MANUFACTURING COMPANY

Manufacturers of

Gate Valves Drip Valves

Gate Fire Hydrants

Corporation Cocks Curb Cocks

Anderson Couplings

Lead Pipe Connections

Trade

Mark

WRITE FOR OUR WATER-WORKS CATALOG

Main Office and Works
Indian Orchard, Mass.

BRANCH HOUSES

BOSTON, MASS.	NEW YORK CITY	PHILADELPHIA	CHICAGO
141 High St.	180 Lafayette St.	1011 Filbert St.	116 N. Jefferson St.

The "COREY" FIRE HYDRANT

MODERN
SUCCESSFUL
SIMPLE
DURABLE

SUPERIOR

RENSSELAER VALVES

ALL SIZES ALL PRESSURES

WATER, STEAM, GAS, OIL, ETC.

ELECTRICALLY OPERATED VALVES

Check Valves Air Valves

Indicator Posts Valve Boxes

CATALOGUE UPON APPLICATION

RENSSELAER VALVE CO., Troy, N. Y.

BRANCHES

NEW YORK, 180 Broadway PITTSBURG, 1102 House Bldg.
CHICAGO, 1108-9 Monadnock Block SEATTLE, 512 Colman Bldg.

ESTABLISHED 1856

WARREN FOUNDRY AND MACHINE CO.

Works at Phillipsburg, New Jersey
Sales Office, 11 Broadway, New York

Cast Iron Water and Gas **PIPE** From 3 to 60 inches in diameter

ALSO

All Sizes of Flanged Pipe and Special Castings

NEW ENGLAND REPRESENTATIVE

Messrs. F. A. HOUDLETTE & SON, Inc.

93 BROAD STREET, BOSTON, MASS.

SLUICE GATES, CHECK VALVES, AIR VALVES, INDICATOR POSTS, ETC.

EDDY

GATE VALVES

FIRE HYDRANTS

Hydraulically and electrically operated valves and sluice gates. Valves designed for all kinds of service.

EDDY VALVE COMPANY

Waterford, N. Y.

NEW YORK CHICAGO BOSTON SAN FRANCISCO PHILADELPHIA

CLASSIFIED DIRECTORY OF ADVERTISEMENTS (*Continued*).

PAGE.

CLEANING WATER MAINS.
National Water Main Cleaning Co. . . . xii
Staples, George T. . . . xv

FILTERS AND WATER SOFTENING PLANTS.
New York Continental Jewell Filtration Co. . . . xxi
Norwood Engineering Co. . . . xv
Ross Valve M'f'g Co. . . . xv

FURNACES, ETC.
H. Mueller Mfg. Co. . . . xiv
The A. P. Smith M'f'g Co. . . . xxiii
The Leadite Co. . . . xxvi

GAS ENGINES.
National Meter Co. . . . iii

GATES, VALVES, AND HYDRANTS.
Ashton Valve Co. . . . xv
Chapman Valve M'f'g Co. . . . xviii
Coffin Valve Co. . . . xxv
Eddy Valve Co. . . . xx
John Fox & Co. . . . xxiii
Ludlow Valve M'f'g Co. . . . xvii
Norwood Engineering Co. . . . xv
Rensselaer Valve Co. . . . xix
Ross Valve M'f'g Co. . . . xv
The A. P. Smith M'f'g Co. . . . xxiii
Water Works Equipment Co. . . . xxv
R. D. Wood & Co. . . . xvi

INSPECTION OF MATERIALS.
Wm. R. Conard . . . i
J. F. Hayden . . . xii

LEAD AND PIPE.
Chadwick-Boston Lead Co. . . . xxiv
Lead Lined Iron Pipe Co. . . . xxiii

(*Index continued on page xxviii.*)

GRAVITY AND PRESSURE FILTERS

HYPOCHLORITE STERILIZING APPARATUS

Over 350 Municipal Plants in Successful Operation

Total Daily Capacity 900,000,000 Gallons

THE NEW YORK CONTINENTAL JEWELL FILTRATION CO.

15 BROAD STREET NEW YORK
111 W. MONROE STREET CHICAGO
313 E. TENTH STREET KANSAS CITY
619 NEW BIRKS BLDG. MONTREAL

EMAUS PIPE FOUNDRY, DONALDSON IRON CO.,

MANUFACTURERS
...OF...

CAST IRON PIPE

...AND ..

Special Castings for Water and Gas.
Also Flange Pipe, Street Castings,
Manhole Heads and Covers, etc.

JOHN D. ORMROD, President,
J. G. EBERLEIN,
Secretary and Treasurer.

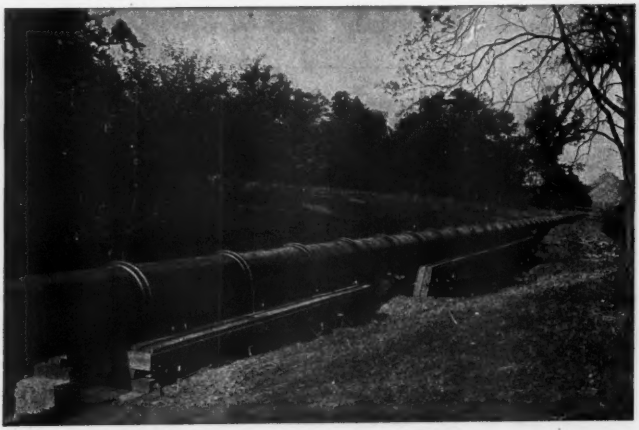
EMAUS,
LEHIGH COUNTY, PA.

CAST IRON PIPE

ALL REGULAR SIZES, 3 INCHES TO 84 INCHES

FOR WATER, GAS, SEWERS, DRAINS, ETC.

SEND FOR STANDARD SPECIFICATIONS



RAILROAD AND TURNPIKE CULVERTS

FLANGE PIPE AND FLANGE FITTINGS

HEAVY CASTINGS

AND THOSE MADE FROM ORIGINAL DESIGNS

United States Cast Iron Pipe and Foundry Company

SALES OFFICES

71 Broadway, New York City.
1421 Chestnut Street, Philadelphia, Pa.
Henry W. Oliver Building, Pittsburgh, Pa.
122 South Michigan Boulevard, Chicago, Ill.
320 Security Building, St. Louis, Mo.
James Building, Chattanooga, Tenn.
799 Monadnock Building, San Francisco, Cal.
Northwestern Bank Building, Portland, Ore.

THE A. P. SMITH MANUFACTURING CO.

EAST ORANGE, N. J.

Manufacturers of

Tapping Machines, Fire Hydrants, Water Gates,
Economic Lead Furnaces,
Corporation and Curb Cocks, Brass and Aluminum Castings.
Also General Supplies for Water and Gas Works.

Write for Catalogue.

NICHOLAS ENGEL

JOHN FOX & CO.

CAST IRON
WATER & GAS PIPES
FLANGE PIPE

Special Castings, Fire Hydrants, Valves
General Foundry and Machine Work
253 BROADWAY - - NEW YORK CITY
Postal Telegraph Building

HIGHEST AWARD, GOLD MEDAL,
ST. LOUIS EXPOSITION, 1904

Over 100 Water Departments
use
LEAD-LINED IRON and TIN-LINED PIPES
for their service connections

MANUFACTURED BY

Lead Lined Iron Pipe Company

Wakefield ═══════ Mass.

Chadwick-Boston Lead Co.

162 Congress St., Boston

Agents for

The Celebrated "ULCO"

LEAD WOOL

(Every Atom Pure Lead)

For calking pipe joints under the most difficult conditions.

For overhead joints, or in wet places where the use of molten lead is not only impracticable, but dangerous — **LEAD WOOL** may be employed to advantage. It makes perfectly tight joints to withstand the highest pressures, yet sufficiently elastic to admit of considerable sagging or settling of the pipe without causing the joint to leak. The difference in this respect, as compared with the poured joint, is notable.

NO FIRE — NO DANGER — NO TROUBLE.

Highest quality Lead Lined Iron Pipe and Fittings

***Also* Pure Block-Tin Lined Iron Pipe and Fittings**

Lead Pipe, Tin Lined Lead Pipe, Pure Block-Tin Pipe, Solder Pig Lead, White Lead and Red Lead

Coffin Valve Co.

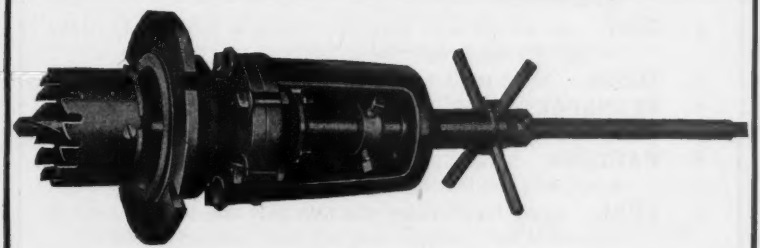
BOSTON, MASS.

Manufacturers of Sluice Gates
Gate Valves
Check Valves
Flap Valves
Foot Valves
Fire Hydrants, etc.

SPECIAL ATTENTION PAID TO WATER-WORKS SUPPLIES FOR CITIES AND TOWNS

Send for Cuts and Prices of our
Type "B" Compression Hydrant and
Type "F" Gate Valves

Hydraulically and Electrically operated valves and sluice gates



No. 1 Tapping Machine cuts 2, 3, 4, 6, 8 inch connections into any size main, from 4 inch to 48 inch.

Our improved Sleeve is equipped with either the Rensselaer, Ludlow, Pratt & Cady, Chapman, Eddy, Darling or Columbian Valves.

Water Works Equipment Co., New York City

50 Church Street

Tapping Machines, Sleeves and Valves, Repair Sleeves, Trench Pumps, Air Compressors, Pipe Jointers, Etc.

Twelve Reasons Why

YOU SHOULD USE

Trade "LEADITE" Mark

Registered U. S. Patent Office

FOR

Jointing Water Mains

1. **DURABILITY.** Leadite joints increase in strength with age.
2. **NO CAULKING.** Leadite joints require no caulking, because the Leadite adheres to the pipe, making a water-tight bond.
3. **COMPARATIVE QUANTITIES.** One ton of Leadite is equivalent to four tons of lead.
4. **LABOR SAVING.** Saves caulking charges and digging of large bell-holes, and reduces the cost of trench pumping to the minimum.
5. **COST.** Its use saves 50 to 65 per cent. over lead, owing to the saving effected in material and labor.
6. **TOOLS.** As no caulking is required, fewer tools are needed.
7. **TRANSPORTATION.** Considerable freight charges are saved because Leadite is lighter than lead.
8. **HAULING.** Saves hauling expense on the work because you move only one fourth the weight of jointing material.
9. **FUEL.** Saves fuel because you melt only one ton of material instead of four, and not as much heat is required either.
10. **DELIVERY.** We can make prompt shipments.
11. **DAMAGE SUITS.** Claims for damages caused by joints blowing out are prevented because Leadite joints will not blow out under any pressure.
12. **USERS.** Progressive water works all over the country use Leadite.

WRITE FOR BOOKLET

THE LEADITE COMPANY, Inc.

LAND TITLE BUILDING PHILADELPHIA

The Design and Construction of Water-Works Systems

and Novel Features in their Management are given careful attention by

THE Engineering Record

It also gives prominence to the following departments of a Water-Works System:

DAMS
AQUEDUCTS
PUMPING STATIONS
PIPE SYSTEMS
WATER TOWERS
FILTERS

SAMPLE COPIES FREE
Subscription Price, $3.00 a Year

ENGINEERING RECORD
239 WEST 39TH STREET NEW YORK

CLASSIFIED DIRECTORY OF ADVERTISEMENTS (*Concluded*).

	PAGE.
LEADITE.	
The Leadite Co.	xxvi
METERS.	
Buffalo Meter Co.	ix
Builders Iron Foundry	xi
Hersey M'f'g Co.	iv
National Meter Co.	ii
Neptune Meter Co.	vi
Pitometer Co.	x
Pittsburg Meter Co.	vii
Thomson Meter Co.	v
Union Water Meter Co.	x
Henry R. Worthington	viii
METER BOXES.	
Clarke, H. W. Co.	xii
Hersey M'f'g Co.	iv
OIL, GREASE, ETC.	
Jos. Dixon Crucible Co.	xii
PIPE JOINTS.	
The Leadite Co.	xxvi
PRESSURE REGULATORS.	
H. Mueller Mfg. Co.	xiv
Ross Valve M'f'g Co.	xv
Union Water Meter Co.	x
PUMPS AND PUMPING ENGINES.	
Builders Iron Foundry	xi
National Meter Co.	iii
R. D. Wood & Co.	xvi
TAPPING MACHINES.	
Hays Mfg. Co.	xiii
H. Mueller Mfg. Co.	xiv
The A. P. Smith M'f'g Co.	xxiii
Water Works Equipment Co.	xxv
TOOLS AND SUPPLIES.	
H. Mueller Mfg. Co.	xiv
The A. P. Smith M'f'g Co.	xxiii
Hays M'f'g Co	xiii
The Leadite Co.	xxvi
Water Works Equipment Co.	xxv

NOTICE.

The copies of the September, 1914, Journal have been entirely disposed of. Members who are willing to dispose of their copies will kindly mail them to the Secretary who will pay 75 cents a copy for a limited number. The following Journals are also wanted to make up sets: June, September and December, 1887; September, 1888; June, 1893; March and September, 1899; and September, 1905.

New Members!

Order your certificate of membership and the Association button Now.

The Journal of the New England Water Works Association

is a quarterly publication, containing the papers read at the meetings, together with verbatim reports of the discussions. Many of the contributions are from writers of the highest standing in their profession. It affords a convenient medium for the interchange of information and experience between the members, who are so widely separated as to find frequent meetings an impossibility. Its success has more than met the expectation of its projectors; there is a large and increasing demand for its issues, and every addition to its subscription list is a material aid in extending its field of usefulness. ALL MEMBERS OF THE ASSOCIATION RECEIVE THE JOURNAL IN PART RETURN FOR THEIR ANNUAL DUES; to all others the subscription is three dollars per annum.

TO ADVERTISERS

THE attention of parties dealing in goods used by Water Departments is called to the JOURNAL OF THE NEW ENGLAND WATER WORKS ASSOCIATION as an advertising medium.

Its subscribers include the principal WATER WORKS ENGINEERS and CONTRACTORS in the United States. The paid circulation is OVER 900 COPIES.

Being filled with original matter of the greatest interest to Water Works officials, it is PRESERVED and constantly REFERRED TO BY THEM, and advertisers are thus more certain to REACH BUYERS than by any other means.

The JOURNAL is not published as a means of revenue, advertisements being inserted solely to help meet the large expense of publication.

ADVERTISING RATES.

One page, one year, four insertions	Sixty Dollars.
One-half page, one year, four insertions	Forty Dollars.
One-fourth page, one year, four insertions	Twenty-five Dollars.
One-twelfth page (card), one year, four insertions	Ten Dollars.
One page, single insertion	Thirty Dollars.
One-half page, single insertion	Twenty Dollars.
One-fourth page, single insertion	Fifteen Dollars.

Size of page, 7¼ x 4¼ net.

A sample copy will be sent on application.

For further information, address,

GEORGE A. KING,
Advertising Agent,
TAUNTON,
MASS.

Or, RICHARD K. HALE,
Editor,
85 Water Street, Boston, Mass.